



TAGEM
R&D AND INNOVATION

BATI AKDENİZ AGRICULTURAL RESEARCH
INSTITUTE/ ANTALYA

KÖKSAL AYDINŞAKİR, Assoc. Prof. Agricultural Engineer

EDUCATION

■ Assoc. Prof. 2019	Turkish Interuniversity Board
■ PhD 2004-2009	Ege University Agriculture Faculty Farm Structures and Irrigation
■ MSc 1998-2002	Akdeniz University Agriculture Faculty Farm Structures and Irrigation
■ Bachelor's Degree 1992-1996	Çukurova University Agriculture Faculty Farm Structures and Irrigation
LANGUAGE	English YDS 71.25

CAREER

- 2019- Assoc. Prof., Batı Akdeniz Agricultural Research Institute
ANTALYA
- 2009-2019 PhD, Batı Akdeniz Agricultural Research Institute
ANTALYA
- 2004-2009 Engineer, Batı Akdeniz Agricultural Research Institute
ANTALYA
- 2002-2004 Engineer, Batı Akdeniz Agricultural Research Institute
ANTALYA
- 1998-2002 Research Assistant, Akdeniz University
ANTALYA

ABOUT ME

I was born in 1974 in Akçaabat, Trabzon. In 1996, I graduated from Çukurova University, Faculty of Agriculture. I continued my professional education on water efficiency and water stress at the Department of Land, Air and Water Resources of Davis University in California, USA for 3 months in 2016.

I worked in the "Surface and Subsurface Drip Irrigation, and Using Marginal Water in Agriculture" project, the determining and scheduling crop water consumption in Turkey" Project.

CONTACT



Demircikara Mahallesi Paşa Kavakları
Cad. No:11 PK:35 Muratpaşa / Antalya
07100 TÜRKİYE



koksai.aydinsakir@tarimorman.gov.tr



0242 325 5 325 / 333



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Agricultural Engineer



■ **PROJECTS**

■ **Projects Conducted**

1. Phase-Out Methyl Bromide for Soil Fumigation in Protected Horticulture and Cut Flower Production (2003-2008, UNIDO, Consultant).
2. The Effects of Different Drip Irrigation Levels on Yield and Flower Quality of Carnation (*Dianthus caryophyllus* L.). (2005-2008, TÜBİTAK, TOVAG 104 O 157, Researcher).
3. A Research on Sustainable Production of Snowdrop (*Galanthus elwesii* Hooker) in Natural or Same Ecology (2003-2006, TAGEM, Project Leader).
4. The Effects of GA3 and BA on Yield and Quality of Gerbera Cultivation (2003-2006, TAGEM, Researcher).
5. Studies on Cut Flower Orchid (Phanelpopsis) Cultivation (2004-2007, TÜBİTAK, TOGTAG 3311, Researcher).
6. Examination of Crop Coefficients and Salt Dynamics under Saline and Shallow Groundwater Conditions (2005-2008, TÜBİTAK, Researcher).
7. Cut Flower Variety Development Project: Generate Gene Pools of Carnation and Gypsophyla (2005-2008, TÜBİTAK, TOVAG 104 O 364, Researcher).
8. Cultivation of Wild *Leucojum aestivum* and *Ornithogalum* spp. Species Grown in Western Mediterranean Region of Turkey, Introduction Them to Floriculture Industry and Their Molecular Characterization (2005-2008, TÜBİTAK, TOVAG 104 O 327, Researcher).
9. The Effects of Different Growing Media and Irrigation Water Salinity Levels on Yield and Quality Characteristics of Cut Flower Rose Production. (2012-2016, TAGEM, Project Leader).
10. Determination of Yield and Quality Parameters of Some Silage Corn Varieties under Drought Conditions. (2010-2013, Ministry of Food & Agriculture and Livestock/AR-GE, Consultant).
11. The Effects of Different Growing Media Cut Flower Performance in Natural and Culture Lily Varieties (2010-2013, TAGEM, Researcher).
12. The Determination of Combination Ability of Some Maize Genotypes under Water Stress and Non-stress Conditions. (2010-2013, TAGEM, Researcher).
13. Cut Flower Variety Development Project (II. Phase)-Carnation Variety Development Project (2012-2015, TÜBİTAK, Researcher).



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14. Irrigation Scheduling of Orange (*Citrus cinensis* cv. Valencia Late) Irrigated by Drip Irrigation System in Güzelyurt Region (2014-2016, TAGEM, Consultant)
15. Molecular and Morphologic Characterization of Green Bean (*Phaseolus vulgaris* L.) Collected from West Mediterranean Region and Determination Tolerance Levels to Salinity Conditions. (2014-2017, Akdeniz University/BAP, Researcher).
16. Comparison of Surface and Subsurface Drip Irrigation System in Sesame Cultivation (2016-2019, TAGEM, Researcher).
17. Irrigation Scheduling of Grapefruit Irrigated by Subsurface Drip Irrigation System (2016-2019, TAGEM, Researcher).
18. Irrigation Scheduling of Soybean Irrigated by Surface and Subsurface Drip Irrigation System (2016-2019, TAGEM, Project Leader).
19. Breeding for Drought Tolerant Maize Hybrids (2016-2019, TAGEM, Researcher).
20. Determinaton of Drip Irrigation System Performance in Antalya-Korkuteli Region (2018-2019, TAGEM, Yardımcı Araştırmacı).
21. Irrigation Scheduling of Surface and Subsurface Drip Irrigated Sorghum Plant (2017-2019, 116 O 262 TÜBİTAK 1001, Project Leader).
22. Developing Tolerant Bean Variety to Drought Stress Using In Vitro Mutation Technique and Establishing a Bean Gene Pool (2017-2021, Project No: FAY-2017-2422, Akdeniz University/BAP, Researcher).
23. Evapotranspiration and Crop Coefficients of Some Plants Grown under Greenhouse Conditions (2018-2020, 117 O 071 TÜBİTAK 1001 Project).
24. Determination of Some Quality and Yield Parameters of Ginger (*Zingiber officinale*) in Different Growing Conditions (2017-2021, TAGEM, Researcher).
25. Determination of Irrigation Water Requirements in West Mediterranean Basin with Optimum Plant Pattern and Creation of Strategic / Political Decision Support Tools (BAKAROL), (2020-2022, TAGEM, Project Leader).
26. Determination of the Effects of Grafting and Vermicompost Application on the Yield and Quality of Eggplant Growing in Deficit Irrigation Conditions (2019-2022, TAGEM, Researcher).
27. QTL Mapping of Resistance of F1 Carnation Population to *Fusarium oxysporum* f. Sp. dianthi Race 2 and Development of Local Resistant Varieties (2019-2022, Project No: 218 O 086 TÜBİTAK 1001, Researcher).
28. Yellow Bride of Lakes Region: Tefenni Fennel (2021-2023, Collaboration Project, Project Leader).



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■ Ongoing Projects

1. Determination of Water Quality of Eşen Stream in West Mediterranean Basin and Evaluation in Terms of Agricultural Irrigation (2020-2022, TAGEM).
2. Breeding for Drought Tolerant Maize Hybrids (2020-2024, TAGEM, Researcher).
3. Determination of Commercial Performance and Reproduction Potential of Carnation Genotypes Obtained by Crossbreeding (2019-2022, TAGEM, Researcher).
4. Modeling the Effects of Different Irrigation Water and Nitrogen Levels on Silage Corn Yield and Yield Parameters and Nitrate Leaching with Subsurface Drip Irrigation System by HYDRUS-2D\3D Program. 2022-2025, TAGEM, Researcher).
5. Determination the Effect of Different Irrigation Water Levels on Cannabidiol Content of Cannabis Plant and Irrigation Scheduling of Cannabis. (2022-2024, 221 O 085, TÜBİTAK 1001, Project Leader).
6. Mining Allelic Diversity of Maize Landraces for Tolerance to Abiotic and Biotic Stresses (MineLandDiv) (AB, SusCrop-FACCE JPI, 222N124, Researcher).
7. SUTAR AGRICULTURE BOX -Environmental Condition Based Parametric Life Support Cell System for Cultivation and Development Stages of Plants and Trees for Agriculture Sector (2024-2026, TUBITAK 1512 Project No. 223O254, Researcher).
8. The Effect of Different Irrigation Levels on Fruit Yield and Quality of Some Avocado Varieties, (2024-2028, TAGEM, Researcher).

■ PUBLICATIONS

■ INTERNATIONAL ARTICLES AND PAPERS

■ Articles Published in International Journals

1. AYDINŞAKİR, K., Baştuğ, R., Büyüktaş, D., 2003. A Research on Calibration of Some Amprical Equations for Grass Reference Evapotranspiration Under Field and Small Lysimeter Conditions in Antalya Region. Akdeniz Üniversitesi, Ziraat Fakültesi Dergisi, 16(1):107-119 (in Turkish).
2. AYDINŞAKİR, K., Özkan, H., Karagüzel, Ö. ve Kaya, A., 2005. The Effects of Different Artificial Light Sources on Yield and Quality Characteristics of Goldenrod (Solidago X hybrida 'Tara'). Akdeniz Üniversitesi, Ziraat Fakültesi Dergisi, 18(3):377-384 (in Turkish).
3. Baştuğ, R., Karagüzel, O., AYDINŞAKİR, K., Büyüktaş, D., 2006. The Effects Of Drip Irrigation On Flowering and Flower Quality of Glasshouse Gladiolus Plant. Agricultural Water Management, 81(1-2):132-144.
4. AYDINŞAKİR, K., Büyüktaş, D., 2009. Non-Destructive Leaf Area Estimation in Carnation Plants. Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, 22(1):83-89.



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5. AYDİNŞAKİR, K., Tepe, A., Büyüктаş, D., 2010. Effects of Saline Irrigation Water Applications on Quality Characteristics of Freesia Grown in Greenhouse. Akdeniz Üniversitesi, Ziraat Fakültesi Dergisi, 23(1):65-72 (in Turkish).
6. Büyüктаş, D., Baştuğ, R., AYDİNŞAKİR, K., 2010. Evaluating Drainage Design Parameters by Numerical Experimentation. Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, 23(2):151-156.
7. Kazaz, S., Ucar, Y., Askin, M.A., AYDİNŞAKİR, K., Senyigit, U., Kadayici, A., 2010. Effects of Irrigation Regimes on Yield and Some Quality Parameters of Carnation. Scientific Research and Essays, 5(19):2921-2930.
8. Ucar, Y., Kazaz, S., Askin, M.A., AYDİNŞAKİR, K., Kadayifci, A. and Senyigit, U., 2011. Determination of Irrigation Water Amount and Interval for Carnation (*Dianthus caryophyllus* L.) with Pan Evaporation Method. HortScience, 46(1):102-107.
9. AYDİNŞAKİR, K., Ünlü, A., Yılmaz, S., Arı, N., 2011. The Effects of Municipal Solid Waste Compost Applications on Soil Properties, Yield and Quality of Ranunculus asiaticus "Orange". Akdeniz Üniversitesi, Ziraat Fakültesi Dergisi, 24(1):55-60 (in Turkish).
10. AYDİNŞAKİR, K., Tuzel, I.H., Buyuktas, D., 2011. The effects of different irrigation levels on flowering and flower quality of carnation (*Dianthus caryophyllus* L.) irrigated by drip irrigation. African Journal of Biotechnology, 10(66): 14826-14835.
11. Karagüzel, Ö., AYDİNŞAKİR, K., Kaya, A.S., 2011. The Effects of Different Irrigation Levels on Bulb Development and Flowering of Native Ornithogalum Species. Akdeniz Üniversitesi, Ziraat Fakültesi Dergisi, 24(2):125-130 (in Turkish).
12. Karagüzel, Ö., Kaya, A., Biner B., AYDİNŞAKİR, K., 2012. In vitro propagation of native Ornithogalum species in West Mediterranean region of Turkey. African Journal of Agricultural Research, 7(17):2669-2673.
13. AYDİNŞAKİR, K., Erdurmuş, C., Büyüктаş, D. Çakmakçı, S., 2012. The Effect of Salt (NaCl) Stress on Germination and Early Seedling Growth of Some Silage Sorghum (*Sorghum bicolor*) Varieties. Akdeniz Üniversitesi, Ziraat Fakültesi Dergisi, 25(1):47-52 (in Turkish).
14. AYDİNŞAKİR, K., Erdal, Ş., Pamukçu, M., 2013. The effects of different salt concentrations on germination and seedling parameters of silage corn (*Zea mays* L.) varieties. Anadolu Tarım Bilimleri Dergisi, 28(2):94-100.
15. AYDİNŞAKİR, K., Ulukapı, K., Kurum, R., Büyüктаş, D., 2013. The effects of different salt source and concentrations on germination and seedling growth of some pumpkin seeds used as rootstock. Journal of Food, Agriculture & Environment, Vol 11(1): 503-510.



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16. Kurum, R., Ulukapı, K., AYDİNŞAKİR, K., Onus, A.N., 2013. The influence of salinity on seedling growth of some pumpkin varieties used as rootstock. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 41(1):1-7.
17. AYDİNŞAKİR, K., Erdal, Ş., Büyüктаş, D., Baştuğ, R., Toker, R., 2013. The influence of regular deficit irrigation applications on water use, yield, and quality components of two corn (*Zea mays* L.) genotypes. *Agricultural Water Management*, 128:65-71.
18. AYDİNŞAKİR, K., Sayın, B., Çelikyurt, M.A., Karagüzel, Ö., 2014. Analysis of Cut Flower Retailing in Antalya Province. *Akdeniz Üniversitesi Ziraat Fakültesi Dergisi*, 27(2):75-82 (in Turkish).
19. AYDİNŞAKİR, K., Gürbüz, E., Karagüzel, Ö., Kaya, A.S., 2014. The Effects of Deficit Irrigation on Turfgrass Quality. *Derim*, 31(2):23-36 (in Turkish).
20. AYDİNŞAKİR, K., Ulukapı, K., Kurum, R., Tetik, N., Arslan Kulcun, A., 2015. The Effects of Different Salt Concentrations on Growth and Chlorophyll Content of Some Pumpkin Rootstocks. *Derim*, 32(2):187-200 (in Turkish).
21. Erdal, S., Pamukcu, M., Ozturk, A., AYDINSAKIR, K., Soylu, S., 2015. Combining abilities of grain yield in relation to drought tolerance in temperate maize breeding. *Turkish Journal of Field Crops*, 20(2):203-212.
22. AYDİNŞAKİR, K., Büyüктаş, B., Dinç, N., Karaca, C., 2015. Impact of salinity stress on growing, seedling development and water consumption of peanut (*Arachis hypogaea* cv. NC-7). *Akdeniz Üniversitesi Ziraat Fakültesi Dergisi*, 28(2):77-84.
23. Işık, M., AYDİNŞAKİR, K., Dinç, N., Büyüктаş, K., Tezcan, A., 2016. Antalya Koşullarında Sıcaklık-Nem İndeks Değerlerinin Süt Sığırılığı Açısından Değerlendirilmesi. *Akdeniz Üniversitesi Ziraat Fakültesi Dergisi*, 29(1):27-31.
24. Çınar, N., AYDİNŞAKİR, K., Dinç, N., Büyüктаş, B., Işık, M., 2016. Effects of water stress on stomatal characteristics of peanut (*Arachis hypogaea* L.). *Mediterranean Agricultural Sciences*, 29(2):79-84.
25. AYDİNŞAKİR, K., Dinç, N., Büyüктаş, B., Baştuğ, R., Toker, R., 2016. Assessment of different irrigation levels on peanut crop yield and quality components under Mediterranean conditions. *Journal of Irrigation and Drainage Engineering*, doi: 10.1061/(ASCE)IR.1943-4774.0001062).
26. AYDİNŞAKİR, K., Büyüктаş, B., Bastuğ, R., Yılmaz, S., 2016. Evapotranspiration and quality characteristics of some bermudagrass turf cultivars under deficit irrigation. *Grassland Science*, doi: 10.1111/grs.12135.
27. Erdal, Ş., Pamukçu, M., Öztürk, A., AYDİNŞAKİR, K., Yılmaz Doğu, Ö., 2016. Morpho-physiological combining ability among tropical and temperate maize germplasm for drought tolerance. *Genetika*, 48(3):1053-1066.



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Agricultural Engineer



28. Dinç, N., AYDİNŞAKİR, K., Işık, M., Büyüктаş, B., 2016. Drought analysis of Antalya province by standardized precipitation index (SPI). *Derim*, 33(2):279-298.
29. Tekelioğlu, B., Büyüктаş, D., Karaca, C., Baştuğ, R., Dinç, N., AYDİNŞAKİR, K., 2017. Use of infrared thermometer technique in irrigation scheduling of pomegranate (*Punica granatum* L.) plant. *Derim*, 34(1): 61-71.
30. Karaca, C., Büyüктаş, D., Baştuğ, R., AYDİNŞAKİR, K., Tekelioğlu, B., 2017. Spatial and temporal distribution of reference crop evapotranspiration in Antalya conditions. *Derim*, 34(2):158-171.
31. Tekelioğlu, B., Büyüктаş, D., Baştuğ, R., Karaca, C., AYDİNŞAKİR, K., Dinç, N., 2017. Use of crop water stress index for irrigation scheduling of soybean in Mediterranean conditions. *Journal of Experimental Agriculture International*, 18(6):1-8.
32. Ulukapi, K., AYDİNSAKİR, K., 2017. Influence of salinity levels on vegetative development of landrace dwarf common bean (*Phaseolus vulgaris* L.) genotypes. *Asian Journal of Agriculture and Rural Development*, 7(9): 167-179.
33. Dinc, N., AYDİNSAKİR, K., Isik, M., Bastug, R., Ari, N., Şahin, A., Buyuktas, D. 2018. Assessment of different irrigation strategies on yield and quality characteristics of drip irrigated pomegranate under mediterranean conditions. *Irrigation Science*, 37:87-96. doi:10.1007/s00271-017-0565-5.
34. AYDİNSAKİR, K., Dinc, N., Buyuktas, D., Karaguzel, U.O., Ozkan, C.F., Vuran, F.A., 2018. Effects of salinity levels and substrates on yield and flower quality of soilless cultivated rose grown in an unheated greenhouse. *Fresenius Environmental Bulletin*, 27(3):1424-1436.
35. AYDİNSAKİR, K. 2018. Yield and quality characteristics of drip irrigated soybean under different irrigation levels. *Agronomy Journal*, doi: 10.2134/agronj2017.12.0748.
36. Ulukapi, K., AYDİNŞAKİR, K., Kurum, R., 2018. Determination of some parameters of landrace green bean (*Phaseolus vulgaris* L.) genotypes collected from Western Mediterranean Region of Turkey. *Derim*, 35(2):87-95, DOI: 10.16882/derim.2018.335815.
37. Ulukapi, K., AYDİNSAKİR, K., Kurum, R. 2018. Genetic diversity of landrace *Phaseolus vulgaris* L. genotypes using morphological characters and determination of the effectiveness of characters. *Fresenius Environmental Bulletin*, 27(12):9245-9257.
38. Karaca, C., Buyuktas, D., Bastug, R., AYDİNSAKİR, K., Buyuktas, K. 2018. Comparing seven different reference evapotranspiration equations with Penman-Monteith for Antalya Turkey. *Fresenius Environmental Bulletin*, 27(12):9500-9508.
39. Karaca, C., AYDİNŞAKİR, K., Dinç, N., Büyüктаş, D., Baştuğ, R., Polat, B., 2018. Comparison measured and estimated evapotranspiration of pomegranate grown under Mediterranean conditions. *SDU Journal of Agriculture*, p:140-150.



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40. AYDİNSAKİR, K., Karaca, C., Ozkan, C.F., Dinc, N., Buyuktas, D., Isik, M. 2019. Excess nitrogen exceeds the European standards in lettuce grown under greenhouse conditions. *Agronomy Journal*, 111(2):764-769.
41. Kaya, A.S., AYDİNSAKİR, K., Karaguzel, U.O. 2019. Assessment of GA₃ and BA application on gerbera cultivation in soilless culture. *International Journal of Agriculture, Environment and Food Sciences*, 3(1):41-45.
42. Kaya, A.S., AYDİNSAKİR, K., Erdal, Ş., Kazaz, S., 2019. The effects of different applications on the cut flower performance of the promising gypsophila genotype (GA8). *Derim*, 36(1):13-23.
43. Ulukapi, K., Nasircilar, A.G., Şener, S., AYDİNSAKİR, K., 2020. Alleviation of drought stress in *Phaseolus vulgaris* L. cultivars using phytostimulators in organic agriculture. *Acta Sci. Pol. Hortorum Cultus*, 19(4):143–157.
44. Buyuktas, D., Bastug, R., Ozen, N., AYDİNSAKİR, K., Karaca, C., Curek, M., Erdal, S. 2021. Evapotranspiration, yield and silage quality characteristics of three maize hybrids grown under Mediterranean conditions. *Archives of Agronomy and Soil Science*, DOI: 10.1080/03650340.2020.1795138.
45. AYDİNSAKİR, K., Buyuktas, D., Dinc, N., Erdurmus, C., Bayram, E., Bayir Yegin, A. 2021. Yield and bioethanol productivity of sorghum under surface and subsurface drip irrigation. *Agricultural Water Management*, 243 (2021):106452.
46. AYDİNSAKİR, K., Erdurmus, C., 2021. Influence of different drip irrigation methods and irrigation levels on sweet sorghum. *Fresenius Environmental Bulletin*, 30(2):1465-1475.
47. AYDİNSAKİR, K., Uluca, E., Dinc, N., Küçükcoşkun, Ş. 2021. Effects of different irrigation levels on fruit yield and quality of valencia late orange under Northern Cyprus conditions. *Journal of Agricultural Sciences*, 27(3): 276 - 284.
48. Bastug, R., Karaca, C., Buyuktas, D., AYDİNSAKİR, K., Dinc, N. 2021. The effects of deficit irrigation practices on evapotranspiration, yield and quality characteristics of two sesame varieties (*Sesamum indicum* L.) grown in lysimeters under the Mediterranean climate conditions. *Irrigation Science*, 39:587-606.
49. AYDİNSAKİR, K., Dinc, N., Buyuktas, D., Kocaturk, M., Ozkan, C.F., Karaca, C. 2021. Water productivity of soybeans under regulated surface and subsurface drip irrigation conditions. *Irrigation Science*, 39:773–787.
50. Polat, B., Karaca, C., AYDİNSAKİR, K., Büyüktas, D., Baştuğ, R. 2021. Comparison of response of soybean irrigated by surface and subsurface drip irrigation method to deficit irrigation using canopy temperature under the Mediterranean conditions. *Mustafa Kemal University Journal of Agricultural Sciences*, 26(2):228-237.



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51. AYDİNŞAKİR, K., Dinc, D., Isik, M., Bayir Yegin, A., Ozbek, Ö., Bayram, S., Bastug, R. 2022. Determining the effect of deficit irrigation applications on yield and quality parameters in grapefruit and economical assessment. *Journal of Irrigation and Drainage Engineering* 148(6):04022018.
52. Polat, İ., Yildirim, A., Kurbetli, İ., Kaya, A.S., Kahraman, U., Gümrükcü, E., AYDİNŞAKİR, K., 2022. Identification of Races 1, 2, 4 and 8 of *Fusarium oxysporum* f. sp. *dianthi* in Turkey by Using Molecular Markers. *Horticultural Studies*, 39(1):22-27.
53. Allamine, H.M., Büyüктаş, D., Karaca, C., AYDİNŞAKİR, K., Erdurmuş, C., 2023. Effect of regulated deficit irrigation on productivity, evapotranspiration and quality of grain sorghum. *Irrigation Science*, 41:277–293.
54. AYDİNŞAKİR, K., Bayar Uysal, F., Çınar, O. 2023. Response of different substrates and irrigation water levels on yield and oil quality of ginger grown in greenhouse. *Journal of Agricultural Sciences*, 29(4): 990-1002. DOI: 10.15832/ankutbd.1153599
55. AYDİNŞAKİR, K., Erdurmuş, C., Karaca, C. 2024. The effect of salinity on evapotranspiration, some growth parameters and ion uptake of sweet sorghum. *Maydica*, 67(1):M2.
56. Baştuğ, R., Büyüктаş, D., Büyüктаş, K., AYDİNŞAKİR, K., Onus, A.N., Karaca, C. 2024. Evapotranspiration and crop coefficients of some vegetable crops grown under greenhouse conditions. *Journal of Water and Climate Change*, 15(7):3236-3259, doi: 10.2166/wcc.2024.093.
57. Polat, B., Aydınşakir, K., Büyüктаş, D. 2024. Assessment of crop water stress index (CWSI) of sorghum irrigated by surface and subsurface drip irrigation methods under Mediterranean conditions. *Journal of Tekirdağ Agricultural Faculty*, 21(5): 1130-1147.
58. AYDİNŞAKİR, K., Erdurmuş, C., Karaca, C., Büyüктаş, D., Küçükyumuk, C. 2025. Determination of drought stress indices, yield and water productivity in sorghum genotypes under full and deficit irrigation conditions. *Maydica*, 67(2):M20.
59. Göçmen, M., Kaya, A.S., AYDİNŞAKİR, K., Özçelik, A., Polat, İ. 2025. Assessment of Genetic Diversity and Relationships among *Gypsophila* and *Silene* Species from Türkiye Using SRAP Markers. *KSU J. Agric Nat* 28(1):83-95. DOI:10.18016/ksutarimdogan.vi.1358542.
60. Kıran, S., Demir, Z., Boyacı, H.F., AYDİNŞAKİR, K., Kuşvuran, Ş., Zengin, S., & Ellialtıoğlu, Ş.Ş., (2025). Evaluation of the Effects of Grafting and Vermicompost Applications on the Morphophysiological Properties of Eggplant under Drought Stress with Principal Component Analysis. *KSU J. Agric Nat.*, 28(1):96-103. <https://doi.org/10.18016/ksutarimdogan.vi.1460048>.
61. Kaya, A.S., Kahraman, M.U., AYDİNŞAKİR, K., Şimşek, M., Sallahoğlu, E., Kazaz, S. 2025. Melezleme Yoluyla Geliştirilen Ümitvar Karanfil Genotipleri İçin Uygun Anaç Yetiştirme Ortamlarının Belirlenmesi. *Bahçe*. 54(Özel Sayı 1):290-299. doi:10.53471/bahce.1548314.



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62. AYDINŞAKİR, K., Uysal Bayar, F., & Çınar, O. 2025. Impact of growing conditions and water stress on turmeric. Turkish Journal of Field Crops, 30(1), 22-34. <https://doi.org/10.17557/tjfc.156144>
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- **International Papers, Seminars etc.**
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2. AYDINŞAKİR, K. 2009. The Effects of Different Irrigation Levels on Yield and Flower Quality Of Carnation (*Dianthus caryophyllus* L.), (PhD Thesis).
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■ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

1. Advanced Short Course on Integrated Rural Water Management: Agricultural Water Demands. 20 September-2 October 1999, Adana.
2. International Symposium on Techniques to Control Salination. November 7-10, 2000, Antalya.
3. Advanced Short Course on Water Saving and Increasing Water Productivity: Challenges and Options. March 10-23 2001, Amman, Ürdün.
4. II. Ulusal Süs Bitkileri Kongresi. 22-24 Ekim 2002, Antalya.
5. Bitki Islahında Mutasyon ve Doku Kültürü Teknikleri, Kasım 2002, Antalya.
6. Toprak Verimliliği ve Bitki Besleme Araştırmalarında Kullanılan İzotop ve Radyasyon Teknikleri, Kasım 2002, Antalya.
7. Türkiye IV. Ulusal Bahçe Bitkileri Kongresi. 8-12 Eylül 2003, Antalya.
8. Course on Soil-Water-Plant Relationships. 6-9 October 2003, İzmir.
9. Bitki Gen Kaynaklarının Toplanması, Muhafazası ve Kullanımı & Herbaryum Hazırlama Teknikleri. 01-03 Ekim 2003, İzmir.
10. Sulanan Alanlarda Tuzluluk Yönetimi Sempozyumu. 20-25 Mayıs 2004, Ankara.
11. Yaprak, Toprak Analizleri ve Gübreleme Kursu. 4-8 Ekim 2004, BATEM, Antalya.
12. Yeraltı Suları Ulusal Sempozyumu. 23-24 Aralık 2004, Selçuk Üniversitesi, Konya.
13. İstatistik ve Deneme Tekniği Kursu, 11-15 Nisan 2005, Ankara.
14. Türkiye Metil Bromür Çalıştayı. 08 Mart 2006, Dedeman Resort Hotel, Antalya.
15. Antalya İçme Suyu ve Sorunları Sempozyumu. 15-16 Haziran 2006, AKM, Antalya.
16. III. Ulusal Süs Bitkileri Kongresi. 8-10 Kasım 2006, İzmir.
17. Topraksız Kültürde Domates ve Biber Yetiştiriciliği Kursu, 22-23 Ocak 2007, Antalya.
18. Topraksız Kültürde Kesme Çiçek Yetiştiriciliği Kursu, 24-25 Nisan, 2007, Antalya.
19. Short Course on Soilless Culture as Methyl Bromide Alternative in Cut Flower Production, 27 September-03 October, 2007, Italy.



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20. International Symposium on Strategies Towards Sustainability of Protected Cultivation in Mild Winter Climate, Protected Cultivation, April 7-10, 2008, Antalya.
21. Türkiye’de Metil Bromür Kullanımının Sonlandırılması Projesi Çalıştayı, 21 Mayıs 2008, Antalya.
22. Genel Bitki Fizyolojisi Kursu, 28-31 Mayıs 2008, Eskişehir.
23. Bahçe Ürünlerinde IV. Muhafaza ve Pazarlama Sempozyumu, 08-11 Ekim 2008, Antalya.
24. 10th Controlled and Modified Atmosphere Research Conference, April 4-7, 2009, Antalya.
25. 6th International Postharvest Symposium, April 8-12, 2009, Antalya.
26. IV. Süs Bitkileri Kongresi, 20-22 Ekim, 2010, Alata, Mersin.
27. IV. Tohumculuk Kongresi, 14-17 Haziran 2011, Samsun.
28. IX. Tarla Bitkileri Kongresi, 12-15 Eylül 2011, Bursa.
29. XI. International Symposium on Flower Bulbs and Herbaceous Perennials, 28 March, 01 April, 2012, Antalya.
30. Fertigasyon Kursu, 8-11 Mayıs 2012, İzmir.
31. II. Ulusal Sulama ve Tarımsal Yapılar Sempozyumu, 24-25 Mayıs 2012, İzmir.
32. V. Süs Bitkileri Kongresi, 6-9 Mayıs, 2013, Yalova.
33. Workshop on Recent Water Management Approaches; from Watershed to Field. July, 1-5, 2013, Samsun.
34. Bitki Su Tüketim Rehberinin Güncellenmesi Eğitimi. 11-13, Eylül 2013, İzmir.
35. Bilimsel Proje Hazırlama ve Proje Döngüsü Eğitimi, 8-10 Ocak, 2014, Samsun.
36. 12. Ulusal Kültürteknik Sempozyumu, 21-23 Mayıs 2014, Tekirdağ.
37. Tarımsal Su Kayıplarının Kontrolü Çalıştayı, 9-10 Haziran 2014, Ankara.
38. II. Uluslararası Katılımlı Kuraklık ve Çölleşme Sempozyumu, 16-18 Eylül 2014, Konya.
39. 2nd International Course on Agricultural Irrigation, 19 September 2014, İzmir.
40. Sorgum Çalıştayı, 17 Eylül 2015, Konya.
41. BM Çölleşme ile Mücadele Sözleşmesi 12. Taraflar Konferansı (COP 12), 12-24 Ekim 2015, Ankara.



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42. Workshop on Proven Solutions to Drought Stress, 12-13 January 2016, Modesto, CA, USA.
43. 13. Ulusal Kültürteknik Kongresi, 12-15 Nisan 2016, Antalya.
44. Knowledge Exchange and Coordination Workshop Water Resources and Irrigation Systems under Climate Change, 12-14 October, 2016, Rabat, Morocco.
45. V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12-15 Eylül 2017, Kırklareli.
46. Enerji Bitkileri ve Sorgum Çalıştayı, 26 Eylül 2017, Şanlıurfa.
47. Technological Disasters Risk Determination and Mitigation Panel, 25-27 October, 2017, Antalya.
48. TR Dizin Ulusal Akademik Yayıncılık Sempozyumu, 2-3 Kasım 2017, Antalya.
49. Cin Mısır Çalıştayı, 24 Mart 2018, Antalya.
50. II. International Eurasian Agriculture and Natural Sciences Congress, 12-15 September, 2018, Bakü-Azerbaycan.
51. 1st International Congress on Agricultural Structures and Irrigation, 26-28 September, 2018, Antalya.
52. Tarımsal Sulama Zirvesi, 17-18 Ekim, 2018, Antalya.
53. Ziraî Meteoroloji Eğitimi, 22-25 Ekim, 2018, Antalya.
54. 6th International Multidisciplinary Studies Congress, 26-27 April, 2019, Gaziantep.
55. Batı Akdeniz Bölgesinde Tarımsal Faaliyetlerin Toprak ve Suyu Olan Etkileri Çalıştayı, 30 Nisan 2019, Eğirdir/Isparta.
56. 1th International Biosystem Engineering Congress, 24-27 September, 2019, Hatay.
57. 1th International Ornamental Plants Congress, 9-11 October, 2019, Bursa.
58. Meyve Yetiştiriciliğinde Mekanizasyon Çalıştayı, 04-05 Kasım, 2019, Antalya.
59. IX. Ziraat Mühendisliği Teknik Kongresi, 13-17 Ocak 2020, Ankara.
60. International Congress on Agriculture in Alanya, Agriculture in The World, October 29-31, 2021, Alanya, Turkey.
61. 2nd International and 15th National Congress on Agricultural Structures and Irrigation, 12-15 May 2022, Diyarbakir, Turkey.



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62. Ulusal Meyvecilik Sempozyumu, 27-30 Eylül 2022, Eğirdir-Isparta.
63. 41. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi, 26-28 Ekim 2022, Denizli.
64. Tarımsal Kuraklık ve Tasarruflu Su Kullanımı Paneli, 15 Aralık 2022, Antalya.
65. Darı Çalıştayı, 21 Eylül 2023, Antalya.
66. Anadolu'da Kenevir Çalıştayı, 27 Eylül 2023, Gökhöyük, Amasya.
67. Biyokütlenin Enerji Yolculuğu 9. Teknik Eğitimi, 9-10 Kasım 2023, Aksu Antalya.
68. ANISF-Antalya Uluslararası Bilim Formu, 29 Kasım-1 Aralık 2023, Antalya.
69. Su ve Biyogüvenlik Çalıştayı, 08 Ocak 2024, Serik, Antalya.
70. Seracılık Çalıştayı, 20-21 Ocak 2024, Aksu, Antalya.
71. Elmalı Kaymakamlığı 22 Mart Dünya Su Günü Paneli, 22 Mart 2024, Elmalı, Antalya.
72. Kuzey Kıbrıs Türk Cumhuriyeti Tarımsal Üretiminde Suyun Etkin Kullanımı Çalıştayı, 25-26 Nisan 2024, Lefkoşa, KKTC
73. 7th International Agriculture, Environment and Health Congress, 30 May-01 June 2024, Bursa, Türkiye.
74. 0.5 Akdeniz'in Geleceği: Antalya 2050 İklim Senaryoları Çalıştayı, 6-7 Aralık 2024, Muratpaşa, Antalya.
75. Kumluca Özelinde Afet ile Mücadele Çalıştayı, 13 Aralık 2024, Kumluca, Antalya.
76. X. Ziraat Mühendisliği Teknik Kongresi, 13-17 Ocak 2025, Ankara.
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78. 3. Uluslararası & 16. Ulusal Tarımsal Yapılar ve Sulama Kongresi, 24-27 Haziran 2025, Ankara
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