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Citizenship : Turkish

EDUCATION and TRAINING

- **Ph.D.**, Agricultural Structure and Irrigation Department, Agricultural Faculty, Trakya University, Tekirdağ, Turkey, 2000.
Thesis title: Water–Yield Relationship of Watermelon (*Citrullus vulgaris*)
- **MSc.**, Agricultural Structure and Irrigation Department, Agricultural Faculty, Trakya University, Tekirdağ, Turkey, 1996.
Thesis title: Comparison of Evapotranspiration Estimation Equation in Kırklareli, Turkey Conditions
- **BSc.**, Agricultural Structure and Irrigation Department, Agricultural Faculty, Ankara University, Ankara, Turkey, 1993.

- Erasmus Academic Staff Mobility Programme for Teaching, Szent Istvan University, Hungary, 2009.
- Governorship of Tekirdağ Award, to prepare common drip irrigation project in Ortaca Village, Tekirdağ City, 2008.
- Israeli government grant, CINADCO – MASHAV, The International Course on Agriculture and The Environment Practices and Processes in Soil and Water, November 8-29, 2005.
- Netherland Fellowship Programme, Short Course on Service Oriented Management of Irrigation Systems, March 9-26, 2004.

ACADEMIC and ADMINISTRATIVE EXPERIENCE

- Professor, Ph.D., Water Management Institute, Ankara University, 2017 – Present.
- Professor, Ph.D., Biosystems Engineering Department, Agricultural Faculty, Namık Kemal University, Tekirdağ, Turkey, 2013 -2017.

- Associate Professor, Biosystems Engineering Department, Agricultural Faculty, Namık Kemal University, Tekirdağ, Turkey, 2007 -2013.
- Assistant Professor, Agricultural Structure and Irrigation Department, Agricultural Faculty, Trakya University, Tekirdağ, Turkey, 2005 -2007.
- Assistant, Agricultural Structure and Irrigation Department, Agricultural Faculty, Trakya University, Tekirdağ, Turkey, 1994 – 2005.

- Coordinator of Erasmus+ Programme, Biosystems Engineering Department, Agricultural Faculty, Namık Kemal University, Tekirdağ, Turkey.
- Chief of the Internship Commission, Biosystems Engineering Department, Agricultural Faculty, Namık Kemal University, Tekirdağ, Turkey.

JOURNAL REFEREE DUTIES

- Agricultural Water Management (Elsevier)
- Irrigation and Drainage (Springer)
- Journal of Irrigation and Drainage Engineering (ASCE Library)
- Paddy and Water Environment (Springer)
- Euro Mediterranean Journal of Environmental Integration (Springer)
- Ankara University Journal of Agricultural Science
- Namık Kemal University Journal of Agricultural Faculty
- Tubitak (Scientific and Technological Research Council of Turkey)

Joining for International Scientific Activities and Meetings

1. EWRA-2017 – 10th World Congress on Water Resources and Environment, Panta Rhei, 5-9 July 2017, Athens, Greece.
2. 3rd ICSAE International Conference on Sustainable Agriculture and Environment, 26-28 September 2016, Warsaw, Poland.
3. IrriMed 2015 – Modern technologies, strategies and tools for sustainable irrigation management and governance in Mediterranean agriculture, 23-25 September 2015, Mediterranean Agronomic Institute of Bari, Italy.
4. International Symposium Regarding the Effects of Irrigation and Drainage on Rural and Urban Landscapes”, 26-28 November 2014, Patras, Greece.
5. AgriBalkan, Balkan Agriculture Congress”, 8-11 September 2014, Trakya University, Edirne.
6. 7th International Image Processing & Wavelet on Real World Applications Conference (IWW 2013)”, 5th-6th September 2013, Valencia-Spain.
7. 1st CIGR Inter-Regional Conference on Land and Water Challenges”, 10-14 September 2013, Bari-Italy.
8. 11th Biennial Conference of ISIAM to Commemorate the 125th Birth Year of Srinivasa Ramanujan, December 2012, India.

9. International Symposium: Water and Land Management for Sustainable Irrigated Agriculture, April 4-8, 2006, Adana, Turkey.
10. International Course: “Advanced Irrigation Systems for Intensive Crop Production”, December 5-9, 2005, Tekirdağ, Turkey.
11. International Seminar: “Agriculture and the Environment Practices and Processes in Soil and Water”, November 8-29, 2005, Israel.
12. International Conference: “Integrated Approaches to Sustain and Improve Plant Production under Drought Stress”, September 24-28, 2005, Rome, Italy.
13. International Course: “Service Oriented Management of Irrigation Systems”, March 9-26, 2004, UNESCO – IHE, Delft, The Netherlands.
14. Workshop: “Experimental Methodologies for Determining Evapotranspiration, Reviews and Revisions”, December 6-12, 1998, Adana, Turkey.

Selected National Scientific and Administrative Activities

1. Training on Pressurized Irrigation Techniques, The Chamber of Turkish Agricultural Engineers, 2010-2011, Tekirdağ.
2. Trakya Development Agencies Meeting (Independent Referee), 2010, Tekirdağ.
3. Commission member of preparing common drip irrigation project, Ortaca Village, Governorship of Tekirdağ, 2008.

PROJECTS

1. Project Supported by International Organization

- 1.1. Evaluation of Irrigation System Performance, DuPont International Operations Sarl Project, **Project executive**, 2012-2013.

2. Projects Supported by National Organizations

- 2.1. Analysis on soil yield, irrigated with different water sources using Fuzzy Logic Model, **Project executive**, Namik Kemal University Scientific Research Unit Project, 2015-2017.
- 2.2. Determination of Thrace region (Turkey’s side) water resources quality and agricultural aspects of usability. TAGEM, Project Researcher, 2014-2017.
- 2.3. Determination of evapotranspiration components and water- yield function under different irrigation methods in rice crop (*Oryza sativa* L.), TAGEM, **Project Advisor**, 2015-2017.
- 2.4. Drip irrigation automation project with using sun energy, Tubitak, Project No: 2209A, **Project executive**, 2014-2015.
- 2.5. Determination of Soil – Water – Atmosphere Relationships of Canola Crop (*Brassica napus* L.), **Project executive**, Namik Kemal University Scientific Research Unit Project, 2011-2013.
- 2.6. Determination of irrigation scheduling and water stress using with EC measurement and plant body water content in fruit trees and grape, Tubitak, Project No: 109O694, **Project Researcher**, 2009-2013.
- 2.7. Determination on effect of dissolved ozone in water which crop-soil-water characteristics in onion (*Allium cepa*), **Project executive**, 2009-2011.

2.8. To explore of possibilities of using irrigation techniques cover with plant-soil-water measurement in broccoli (*Brassica Oleracea* L. var. *Italica*) producing, **Project executive**, Tubitak, Project No: 106O538, 2006-2008.

2.9. Determination of vine water requirement and effect of irrigation on vegetative development in Razaki and Semillon grape varieties, **Project Researcher**, 2000-2003.

2.10. Determination of varieties-water-yield-quality relations of wheat produced in Thrace Region, **Project Researcher**, 1999-2001.

PUBLICATIONS

A. Peer reviewed journal papers (Science Citation Index, SCI)

A1. Ahi, Y., K. Bellitürk and H. T. Gültaş, “Fuzzy Logic analysis of soil fertility parameters in irrigated areas”, Fresenius Environmental Bulletin, in pressed (2019).

A2. Erdem, Y., L. Arın, T. Erdem, S. Polat, M. Deveci, H. Okursoy and H. T. Gültaş, “Crop water stress index for assessing irrigation scheduling of drip irrigated broccoli (*Brassica oleracea* L. var. *italica*)”, Agricultural Water Management, 98(1), 148-156, (2010).

A3. Erdem, T., L. Arın, Y. Erdem, S. Polat, M. Deveci, H. Okursoy and H. T. Gültaş, “Yield and quality response of drip irrigated broccoli (*Brassica oleracea* L. var. *italica*) under different irrigation regimes, nitrogen applications and cultivation periods”, Agricultural Water Management, 97(5), 681-688, (2010).

A4. Gültaş, H.T. ve Y. Erdem, “Bodur Kiraz Bahçelerinde Damla ve Mikro Yağmurlama Sulama Yöntemlerinin Yatırım ve İşletme Masrafları Yönünden Karşılaştırılması”, Ankara Üniversitesi Ziraat Fakültesi Tarım Bilimleri Dergisi, 13(1), 38-46, (2007).

A5. Erdem, Y., T. Erdem, A.H. Orta and H. Okursoy, “Canopy-air temperature differential for potato under different irrigation regimes”, Acta Agriculturae Scandinavica, Section B – Soil and Plant Science, 56(3), 206-216, (2006).

A6. Erdem, T., Y. Erdem, A.H. Orta and H. Okursoy, “Water-yield relationships of potato under different irrigation methods and regimens”, Scientia Agricola, 63(3), 226-231, (2006).

A7. Erdem, Y., S. Şehirali, T. Erdem and D. Kenar, “Determination of crop water stress index for irrigation scheduling of bean (*Phaseolus vulgaris* L.)”, Turkish Journal of Agriculture and Forestry, 30(3), 195-202, (2006).

A8. Erdem, T., Y. Erdem, A.H. Orta and H. Okursoy, “Use of a crop water stress index for scheduling the irrigation of sunflower (*Helianthus annuus* L.)”, Turkish Journal of Agriculture and Forestry, 30(1), 11-20, (2006).

A9. Erdem, T., A.H. Orta, Y. Erdem and H. Okursoy, “Crop water stress index for potato under furrow and drip irrigation systems”, Potato Research Journal, 48, 49-58, (2005).

A10. Erdem, Y., T. Erdem, A.H. Orta and H. Okursoy, “Irrigation scheduling for watermelon with crop water stress index (CWSI)”, Journal of Central European Agriculture, 6(4), 455–466, (2005).

A11. Orta, A.H., İ. Baser, S. Şehirali, T. Erdem and Y. Erdem, “Use of infrared thermometry for devepoling baseline equations and scheduling irrigation in wheat”, Cereal Research Communications, 32(3), 363-370, (2004).

- A12.** Baser, İ., S. Şehirali, A.H. Orta, T. Erdem, Y. Erdem and Ö. Yorgancılar “Effect of different water stresses on the yield and yield components of winter wheat”, *Cereal Research Communications*, 32(2), 217-223, (2004).
- A13.** Erdem, Y. and A.N. Yüksel, “ Yield response of watermelon to irrigation shortage”, *Scientia Horticulturae*, 98, 365-383, (2003).
- A14.** Orta, A.H., Y. Erdem and T. Erdem, “Crop water stress index for watermelon”, *Scientia Horticulturae*, 98, 121-130, (2003).
- A15.** Orta, A.H., S. Şehirali, İ. Baser, T. Erdem, Y. Erdem and Ö. Yorgancılar, “Water – yield relation and water – use efficiency of winter wheat in Western Turkey”, *Cereal Research Communications*, 30(3-4), 367-374, (2002).
- A16.** Orta, A.H., T. Erdem and Y. Erdem, “Determination of water stress index in sunflower”, *HELIA*, 25(37), 27-38, (2002).
- A17.** Erdem, Y., A.N. Yüksel and A.H. Orta, “The effects of deficit irrigation on watermelon yield, water use and quality characteristics”, *Pakistan Journal of Biological Sciences*, 4(7), 785-789, (2001).

B. Peer reviewed journal papers (except SCI)

- B1.** Aydın B., Ahi Y., 2017. Productivity analysis based on fuzzy logic on paddy area irrigated by varied water sources. *European Water* 58: 351-358, E.W. Publications, ISSN:1105-7580, Athens, Greece.
- B2.** Yılmaz A., Ahi Y. 2016. Determination of the yield response to water for two different globe artichoke cultivars (*Cynara scolymus* L. cv. Bayrampaúa and Starline F1) in greenhouse conditions. *Annals of Warsaw University of Life Sciences – SGGW Horticulture and Landscape Architecture* No 37: 11–21, Poland.
- B3.** Balaban, İ., ve Ahi, Y., “Alternatif Tarım Girdisi Ozonun Soğanda (*Allium Cepa*) Bitki-Toprak-Su Karakteristiklerine Etkilerinin Belirlenmesi”, *JOTAF, Tekirdağ Ziraat Fakültesi Dergisi*, Cilt 13 (4), s. 111-123 (2016), in Turkish.
- B4.** Ahi, Y., Orta, H., Gündüz, A. and Gültaş, H.T., “The Canopy Temperature Response to Vapor Pressure Deficit of Grapevine cv. Semillon and Razaki”, *Agriculture and Agricultural Science Procedia*, Elsevier, 4: 399-407, (2015).
- B5.** Erdem, T., Y. Erdem, H. Okursoy and E. Göçmen, “Variations of non water stressed baselines for dwarf cherry trees under different irrigation regimes”, *J. of Tekirdağ Agric. Faculty*, 9(2): 41-49, (2012).
- B6.** Arıtürk, M.E. ve Y. Erdem, “İkinci ürün silajlık mısırın (*Zea mays* L.) sulama zamanının planlanması ve su-verim-kalite ilişkilerinin belirlenmesi”, *Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi*, 8(1): 73-82, (2011), in Turkish.
- B7.** Dağdelen, N., T. Gürbüz, Y. Erdem, F. Sezgin, E. Yılmaz, S. Akçay and E. Yeşilirmak, “Determination of crop water stress index (CWSI) of second crop corn in a semiarid climate”, *Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi*, Özel sayı: 805-814, (2009).
- B8.** Şehirali, S., T. Erdem, Y. Erdem, ve D. Kenar, “Damla sulama yöntemiyle sulanan fasulyenin (*Phaseolus vulgaris* L.) su kullanım özellikleri”, *Ankara Üniversitesi Ziraat Fakültesi Tarım Bilimleri Dergisi*, 11(2), 212-216, (2005), in Turkish.
- B9.** Orta, A.H., Y. Erdem, T. Erdem ve M. Şener, “Trakya Bölgesinde tarımı yapılan kültür bitkilerinin sulama programlarının oluşturulmasında açık su yüzeyi buharlaşmasından

yararlanma olanakları”, Ankara Üniversitesi Ziraat Fakültesi Tarım Bilimleri Dergisi, 7(1), 97-104, (2001)

C. International Congress or Symposium Presentations

C1. Dökmen F., Ahi Y. and Köksal D.D., 2017. Irrigation of walnut trees in the vicinity of Hisareyn-Gölcük/Kocaeli, Turkey (Oral presentation). 10th World Congress On Water Resources and the Environment “Panta Rhei”, 5-9 July 2017, Athens, Greece. (published as full paper)

C2. Gültaş H.T., Orta A.H., Ahi Y., 2017. A perspective to waste water legislation in European Countries and Turkey (Poster presentation). 10th World Congress on Water Resources and the Environment “Panta Rhei”, 5-9 July 2017, Athens, Greece. (published as full paper)

C3. Ahi, Y. and L. Tuna, “Research on Evapotranspiration Components and Irrigation Scheduling Under Pepper (*Capsicum Annuum* L.) Cultivation (Oral presentation)”, 3rd ICSAE International Conference on Sustainable Agriculture and Environment, September 26-28,2016, p:535-545, Poland. (published as full paper)

C4. Aydın B., Ahi Y. And Dökmen F., 2017. Evaluation of the effect of soil saltiness on paddy yield by fuzzy logic (Oral presentation). 9th International Symposium on Image Processing Wavelet and Applications, 5-8 November 2017, p45, Kars, Turkey. (published as abstract)

C5. Zahmacıoğlu A., Ahi Y., Bellitürk K, 2017. Determination of vermicompost and ammonium nitrate applications effectiveness on broccoli with soil and leaf analyses (Poster presentation). VIII. International Scientific Agriculture Symposium “Agrosym 2017”, 05-08 October 2017, p846, Jahorino, Bosnia and Herzegovina. (published as abstract)

C6. Özer S., Ahi Y., 2017. Effects of Different Irrigation Methods in Paddy Plant on Yield and Efficiency and Economically Evaluation (Poster presentation). 5. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, 12-15 Eylül 2017, p. , Kırklareli/Turkey. (published as abstract)

C7. Gültaş H.T. and Ahi Y, “Rapeseed (*Brassica napus* L.) Irrigation Scheduling via Crop Water Stress Index (CWSI) Using Line Source Sprinkler Irrigation (Oral presentation)”, IrriMed 2015 - Modern technologies, strategies and tools for sustainable irrigation management and governance in Mediterranean agriculture, Bari, Italy (2015). (published as abstract)

C8. Dökmen, F., Ahi, Y., Köksal, D.D., “Irrigation of Pyrus in the Vicinity of Hisareyn-Gölcük/Kocaeli, Türkiye (Oral presentation)”. IrriMed 2015 - Modern technologies, strategies and tools for sustainable irrigation management and governance in Mediterranean agriculture, Bari, Italy (2015). (published as abstract)

C9. Özer, S., and Ahi, Y., “Crop water stress index for assessing irrigation scheduling of drip irrigated summer squash (*Cucurbita pepo* L.) (Poster presentation)”, 1st CIGR Inter-Regional Conference on “Land and Water Challenges”, Mediterranean Agronomic Institute of Bari, ITALY, (2013). (published as abstract)

C10. Erdem, Y., T. Erdem, A.H. Orta and H. Okursoy, “Use of infrared thermometry for developing baseline equations for main crops of Trakya Region in Turkey (Oral

presentation)”, International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, 285, Adana, (2006). (published as abstract)

C11. Erdem, T., Y. Erdem, A.H, Orta and H. Okursoy, “Response of agronomic crops to use of deficit irrigation in the Trakya Region-Turkey (Poster presentation)”, International Symposium on Water and Land Management for Sustainable Irrigated Agriculture, 238, Adana, (2006). (published as abstract)

D. National Congress or Symposium Presentations

D1. Gültaş H.T. ve Ahi Y., “Yağmurlama sulama ile sulanan Kolza (*Brassica napus* L.) bitkisinde ekonomik analiz (Oral presentation)”. 12. Ulusal Kültürteknik Sempozyumu, Tekirdağ, (2014).

D2. Özer, S., ve Ahi, Y., “Damla sulama ile sulanan Kabak (*Cucurbita pepo* L.) bitkisinin sulama zamanının planlanması ve su-verim ilişkilerinin belirlenmesi (Oral presentation)”, 12. Ulusal Kültürteknik Sempozyumu, Tekirdağ, (2014).

D3. Şehirli, S., A.H. Orta, İ. Baser, T. Erdem, Y. Erdem ve O. Yorgancılar, “Trakya Bölgesinde üretilen ekmeklik buğdayların çeşit-su-verim-kalite ilişkilerinin belirlenmesi (Oral presentation)”, Türkiye 4. Tarla Bitkileri Kongresi, Cilt 1, 93–98, Tekirdağ, (2001).

D4. Orta, A.H., T. Erdem, Y. Erdem ve L. Cinkılıç, “Sera koşullarında damla yöntemiyle sulanan domates bitkisinin sulama zamanının planlanması (Oral presentation)”, 6.Ulusal Kültürteknik Kongresi, 293-300, Bursa, (1997).

D5. Orta, A.H., T. Erdem, Y. Erdem ve L. Cinkılıç, “Sera koşullarında damla yöntemiyle sulanan hıyar bitkisinin sulama zamanının planlanması (Oral presentation)”, 6. Ulusal Kültürteknik Kongresi, 286-292, Bursa, (1997).

D6. Yüksel, A.N. ve Y. Erdem, “Kırklareli koşullarında bitki su tüketimi tahmin eşitliklerinin karşılaştırılması (Poster presentation)”, 6. Ulusal Kültürteknik Kongresi, 236-242, Bursa, (1997).

D7. Sağlam, M., H. Işık, A. Gündüz, T. Uysal, A.H. Orta ve Y. Erdem, “Tekirdağ koşullarında Razakı ve Semillon üzüm çeşitlerinde gençlik dönemindeki asmalarda su tüketiminin belirlenmesi ve sulamanın vegetatif gelişme üzerine etkileri (Oral presentation)”, Türkiye 6. Bağcılık Sempozyumu, 16, Tekirdağ, (2005).

Citation

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According to Google Scholar and other scientific database, 30.04.2019, **Ahi (Erdem) Y.: 735**