



**TAGEM**  
R&D AND INNOVATION

WESTERN MEDITERRANEAN AGRICULTURAL  
RESEARCH INSTITUTE/ ANTALYA

## Mesut IŞIK

### Agricultural Engineer

#### EDUCATION

- **Assoc. prof**
- **PhD**
- **MSc** Akdeniz University  
1994- 1997 Animal Science
- **Bachelor's Degree** Selçuk University  
1990 - 1994 Animal Science

#### CAREER

- Batı Akdeniz Agricultural Research Institute, Antalya  
Akdeniz Agricultural Research Institute, Antalya  
Directorate General of Agricultural Reform, Simav District Office
- Akdeniz University, Agriculture Faculty, Antalya

#### ABOUT ME

He was born in 1972 in Cologne, Germany. He graduated from Selçuk University, Faculty of Agriculture, Department of Animal Science in 1994, and completed his graduate education in 1997 at Akdeniz University, Faculty of Agriculture, Department of Animal Science.

After working on animal nutrition for many years, he worked as an assistant researcher on irrigation issues and worked in the support and administrative units of BATEM.

#### CONTACT

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### ▪ **PROJECTS**

#### ▪ **Projects Conducte**

1. 1. Effects of using Probiotics on the Growth Performance and Health of Dairy Calves. (2004, TAGEM, Project Leader).
2. 2. Effects of Sodium Bicarbonate Supplementation on milk Yield and Milk Fat Ratio of Dairy Cows Under High Temperature Conditions. (2004, TAGEM, Project Leader).
3. 3. Effects of Probiotic Supplementation on Silage Quality. (2002, TAGEM, Project Leader).
4. 4. Feeding Value of Carob (*Ceratonia siliqua* L.) Beans. (2002, Akdeniz University, Consultant).
5. 5. The Determination Silage Quality Traits Of Six Sorghum Varieties In Five Show Time Under Antalya. (2007- TAGEM – Consultant).
6. 6. Irrigation Scheduling of Grapefruit Irrigated by Subsurface Drip Irrigation System (2016-2009, TAGEM, Consultant, ).
7. 7. Creation of And Irrigation Program For Pomegranate Irrigated With Drip Irrigation In Antalya Basin Conditions (2009-2016- TAGEM – Consultant).
8. 8. Irrigation Scheduling of Grapefruit Irrigated by Subsurface Drip Irrigation System (2016-2019, TAGEM).
9. 9. Determination of Drip Irrigation Systems Performance Established in Antalya Korkuteli Region (2017-2018).



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### ■ **PUBLICATIONS**

### ■ **INTERNATIONAL ARTICLES AND PAPERS**

### ■ **Articles Published in International Journals**

1. Aydınsakir, K., Dinç, N., Işık, M., Yeyin, B. A., Özbek, Ö., Bayram, S., Baştuğ, R. 2022. Determining the Effect of Deficit Irrigation Applications on Yield and Quality Parameters in Grapefruit and Economical Assessment. *J. Irrig. Drain Eng.* 2022 148 (6):
2. Dinç, N., Aydınsakir, K., IŞIK, 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*, doi:10.1007/s00271-017-0565-5.
3. Aydınsakir, K., Karaca, C., Ozkan, C.F., Dinç, N., Buyuktas, D., IŞIK, M. 2019. Excess nitrogen exceeds the European standards in lettuce grown under greenhouse conditions. *Agronomy Journal*, 111(2):764-769, doi:10.2134/agronj2018.07.0425.
4. Çınar, N., Aydınsakir, K., Dinç, N., Büyüктаş, B., IŞIK, M., 2016. Effects of Water Stress on Stomatal Characteristics of Peanut (*Arachis hypogaea* L.). *Mediterranean Agricultural Sciences*, 29(2):79-84 (in Turkish).
5. Dinç, N., AYdınsakir, K., IŞIK, M., Büyüктаş, B., 2016. Standartlaştırılmış Yağış İndeksi (SPI) Yöntemi İle Antalya İli Kuraklık Analizi. *Derim*, 33(2):279-298 (in Turkish).
6. IŞIK, M., Aydınsakir, K., Dinç, N., Büyüктаş, K., Tezcan, A., 2016. Evaluation of temperature-Humidity Index Values on Dairy Cattle in Antalya Conditions. *Akdeniz Üniversitesi Ziraat Fakültesi Dergisi*, 29(1):27-31 (in Turkish).
7. IŞIK, M., Ekimler, F., Özen, N., Fırat, M. Z. 2004. Effects of using Probiotics on the Growth Performance and Health of Dairy Calves. *Turkish Journal of Veterinary and Animal Science*. 28: 6369



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### International Papers, Seminars, etc

1. Aydınşakır, K., Dinç, N., IŞIK, M., Baştuğ, R., Bayir Yeğın, A., Bayram, S. 2019. Water-yield relationships of grapefruit under different subsurface drip irrigation strategies. 1th International Biosystem Engineering Congress, 24-27 September, 2019, Hatay.
2. Dinç, N., Aydınşakır, K., IŞIK, M., Özbek, Ö., Asri Öktüren, F., Arı, N. 2019. Determination of drip irrigation systems performance established in Antalya Korkuteli Region. 6th Congress on Soil & Water Resources with International Participation, 12-15 November, 2019, İzmir, Proceedings & Abstracts, p:207.
3. Çürek, M., IŞIK, M., Özen, N. 2011. Feeding Value of Carob (*Ceratonia siliqua* L.) Beans. 62nd Annual EAAP Meeting. (29th August to 2nd September 2011) Stavanger, Norway.
4. IŞIK, M . Özen N. 2008. Effects of Sodium Bicarbonate Supplementation on milk Yield and Milk Fat Ratio of Dairy Cows Under High Temperature Conditions. 59. Annual Meeting of the European Association for Animal Production. 24- 27August, 2008, Vilnius, Lithuania. (in Session 29: Ruminants nutrition. Free communications)



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### ■ **PUBLICATIONS**

#### ■ **NATIONAL ARTICLES AND PAPERS**

##### ■ **Articles Published in National Journals**

1. Öten, M., Işık, M ., Çetinkaya, M. 2004. Feeding Dairy Cattle in Hot Weather Condition, Atatürk Üniversitesi Ziraat Fak. Dergisi 35 (3-4) 229-234. (in Turkish).

2. Işık, M ., Özen, N. 1997. Using of Probiotics in Broiler Diets. Akdeniz. Üniversitesi, Ziraat Fak. Dergisi. 10:1, 81-94. (in Turkish).

##### ■ **Nasional Papers, Seminars, etc.**

1. IŞIK, M., Aydınşakir, K., DİNÇ, N., Büyüktaş, D., 2014. Effects of Thermal Humidity Index Values on Dairy Cattle: A Case of Antalya Province. II. Uluslararası Katılımlı Kuraklık ve Çölleşme Sempozyumu, 16-18 September 2014, Konya, Abstract Book, p:187, (in Turkish).

2. IŞIK, M., Dinç, N., Aydınşakir, K., Arı, N., Baştuğ, R., Alican., M., 2016. Effects of Different Water Applications on Tree Growth in Hicaznar. 13. Ulusal Kültürteknik Kongresi, 12-15 April 2016, Antalya, p:11, (in Turkish).

3. Dinç, N., Aydınşakir, K., Büyüktaş, D., M.,IŞIK. 2014. Determination of Drought Periods of Antalya Province by Standardized Precipitation Index (SPI). II. Uluslararası Katılımlı Kuraklık ve Çölleşme Sempozyumu, 16-18 September 2014, Konya, Abstract Book, p:161, (in Turkish).

4. Ermetin, O., IŞIK, M., 2014. Place and Importance of Small Ruminant Breeding in Konya. Uluslararası Katılımlı Küçükbaş Hayvancılık Kongresi. 16-18 Ekim.2014, Konya. (in Turkish).

5. IŞIK, M ., Aydınşakir, K., Erdurmuş, C., GÜREL, F. 2011. The Loss of Honey Bees (Apis mellifera L.). Tarla Bitkileri Üretimine Etkileri. IX. Tarla Bitkileri Kongresi. (12-15 Eylül 2011) Bursa. (in Turkish).

7. Çeçen, S., Öten, M., Erdurmuş, C., IŞIK, M . 2007. The Determination Silage Quality Traits Of Six Sorghum Varieties In Five Show Time Under Antalya. VII. Tarla Bitkileri Kongresi. (25-27 Haziran 2007) Erzurum. (in Turkish).

8. Çürek, M., IŞIK, M ., Özen, N. 2003. Feeding Value of Carob (Ceratonia siliqua L.) As An Industrial Processing By-Products. II. Ulusal Hayvan Besleme Kongresi Konya (18-20 Eylül 2003). 1: 371-375. (in Turkish).

9. IŞIK, M ., Özen, N., Çürek, M. 2003. Effects of Probiotic Supplementation on Silage Quality. III. Ulusal Zootečni Bilim Kongresi (14-16 Ekim 2002) Ankara. 1: 292-298. (in Turkish).

10. Çürek, M., IŞIK, M ., Özen, N. 2002. Use of Giant Reed (Arundo donax L.) Silage As Feed III. Ulusal Zootečni Bilim Kongresi (14-16 Elim 2002) Ankara. 1: 298-306. (in Turkish).

11. IŞIK, M ., Özen, N. 2001. Use of Probiotics in Animal Feed .Türkiye 2. Ekolojik Tarım Sempozyumu, (17-16 Kasım 2001). 1: 421-425. (in Turkish).



**Mesut IŞIK**  
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**TAGEM**  
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- **OTHER PUBLICATIONS**
- **Ph.D. Thesis, Master Thesis, Reports, Books etc.**