



**TAGEM**  
R&D AND INNOVATION

ATATÜRK HORTICULTURAL CENTRAL RESEARCH  
INSTITUTE/ YALOVA

## MEHMET CENGİZ ARSLANOĞLU, PhD Agricultural Engineer

### EDUCATION

- Assoc. prof**
- PhD** 2013-2019 Namık Kemal University  
Biosystem Engineering
- MSc** 2011-2013 Akhmet Yassawi University  
Computer Engineering
- Bachelor's Degree** 2005-2009 Trakya University  
Faculty Of Agriculture
- LANGUAGE** English YDS 63.75

### CAREER

- 2000-2015 Engineer, Directorate Of Provincial Agriculture And Forestry - BATMAN
- 1994-2000 Technician, Directorate Of Provincial Agriculture And Forestry - TEKİRDAĞ
- 1991-1994 Technician, Directorate Of Provincial Agriculture And Forestry, Karapürçek/SAKARYA
- 1990-1991 Technician, Directorate Of Provincial Agriculture And Forestry - SİİRT
- 1989-1990 Technician, Directorate Of Provincial Agriculture And Forestry, Beşiri-BATMAN
- 1988-1989 Technician, İlçe Tarım Müdürlüğü, Gercüş-BATMAN

### ABOUT ME

He was born in 1970 in Siirt. In 1998, he graduated from Trakya University, Faculty of Agriculture.

He works on "Remote Sensing", "Geographic Information Systems" and "Precision Farming Technologies".

### CONTACT

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# MEHMET CENGİZ ARSLANOĞLU, PhD

## Agricultural Engineer



### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. Properties Determination Of Olive At Different Phenological Periods By Using Optical And Radar Satellite Images
2. Controlled Atmosphere Storage Box Monitoring and Information System for Horticultural Products(TAGEM Private Sector R-D Project)
3. Variable Rate Applications in Orchards(EU)
4. Regional Industrial Collaboration in Cotton Fibre Manufacturing Project (IPA)
5. Comparison Of Some Wild Herb Controlling Systems In Row, In Apple Orchards Of Yalova Region, Under The Conservation Soil Tillage ı(TAGEM)
6. Determination of storage conditions and harvest time on some golden kiwi fruit varieties and types (TAGEM PROJESİ)

#### ▪ **Ongoing Projects**

- • **Creating Simulation Models of Different Storage Systems and Determining Their Efficiency on Product Quality**
- • **Separation of olives according to tissue hardness using infrared spectroscopy**
- • **Comparison Of Some Wild Herb Controlling Systems In Row, In Apple Orchards Of Yalova Region, Under The Conservation Soil Tillage (TAGEM)**



# MEHMET CENGİZ ARSLANOĞLU, PhD

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### ▪ **PUBLICATIONS**

#### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in International Journals**

1. Selection Of The Most Suitable Sentinel-2 Bands And Vegetation Index For Crop Classification By Using Artificial Neural Network(Ann) And Google Earth Engine(Gee), Şener M, Arslanoğlu Mc, Fresenius Environmental Bulletin 12 (28), 382, 2019 **International Papers, Seminars, etc.**

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

- Effect of Spatial Variability of Nutrients en Fertilisation Requirements of Cherry, 2018, I.International Agricultural Science Congress, 09-12 May 2018, Van, Turkey
- Application Of Machine Learning Algorithms Using Optical Satellite Images For Crop Classification In Google Earth Engine, ARSLANOĞLU M.C., ŞİMŞEK Y., Proceedings of International Congress and Workshop on Agricultural Structures and Irrigation, 12-15 May, 2022, Diyarbakır, Türkiye

#### ▪ **NATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in National Journals**

1. Applications of Precision Agriculture in Horticulture, Mc Arslanoğlu, Ş Arzu, Y Muammer Meyve Bilimi 1, 7-11

##### **National Papers, Seminars, etc.**

1. Measurability of Fuel Consumption in Working Fields by Tractor, 2018, YALÇIN M. ve ARSLANOĞLU, M. C., Tarım Makinaları Bilimi Dergisi (Journal of Agricultural Machinery Science) 2018, 14 (3). S:189-192. 31. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi. Bursa.
2. Agricultural Mechanisation Cost Analysis, YALÇIN M., ALAYUNT F. N., ARSLANOĞLU M. C. VE ÖZTÜRK M., 2018, 31. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi. Bursa.
3. Determination of Morphometric Properties of Turkish River Basins with Google Earth Engine, Arslanoğlu M.C., Şener M. , Sağlam M., TMMOB 7. Coğrafi Bilgi Sistemleri Kongresi, 3-5 Ekim 2022 Ankara.



**MEHMET CENGİZ ARSLANOĞLU, PhD**  
Agricultural Engineer



▪ **OTHER PUBLICATIONS**

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

1. Bursa Black Type Fig Cultivation, Hasat ve Hasat Sonrası Uygulamalar, Şen, A, TANGU, N, ARSLANOĞLU, M.C., Atatürk Bahçe Kùltürleri Merkez Arařtırma Enstitüsü, YALOVA
2. Properties Determination Of Olive At Different Phenological Periods By Using Optical And Radar Satellite İmages, Mc Arslanođlu, Namık Kemal University, 2019
3. Determination and Mapping of Areas Suitable for Organic Agriculture in Diyarbakır Province, E Karademir, Ş Atakul, N Bayram, Mc Arslanođlu, 2011
4. Batman Province Viticulture Sector Strategic Investment Plan, 2009, ARSLANOĞLU M.C., BİRCAN Y., ALP Y., EDİS M.Z., ŞİMŞEK Y
5. Batman Province Agriculture Master Plan, 2003, Arslanođlu, M. C., Alp, Y., Kılınç, M., & Süner, M. S., Tarım ve Köyişleri Bakanlığı, Batman Tarım İl Müdürlüğü.



# MEHMET CENGİZ ARSLANOĞLU, PhD

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

#### National and International Trainings

1. Agricultural Crop Classification with Synthetic Aperture, Aralık-2021, NASA
2. Soil Information Systems, 08-11-November 2021, FAO
3. Post Harvesting , 8-10 May 2018, Romania(Galati)
4. Geostatistics, 25-28 April 2016, TAGEM
5. Agricultural Cooperation, 17-21 November 2014, France(Montpellier)
6. NetCad Essentials, 21-30 January 2014, NETCAD
7. Project Management, 10-15 February 2013, ISTANBUL
8. Agricultural Technologies, 01-06 October 2012, Spain(Murcia)
9. Introduction to ArcGIS I and II, 02-05 May 2011, Operation
10. Remote Sensing and Use of Spectroradiometer, 14-15 January 2010, ITU
11. Supply Chain Management, 19-27 March 2009, Wageningen Üniversity

#### Trainings organized by himself

1. Remote Sensing Applications with ArcGIS, QGIS and SNAP
2. Web based Remote Sensing Applications
3. Essential of Robotic Programming with Arduino and Raspberry Pi