



TAGEM
R&D AND INNOVATION

INTERNATIONAL AGRICULTURAL RESEARCH
AND TRAINING CENTER/ İZMİR

OĞUZ FEHMI ŞEN, PhD

Agricultural Engineer

EDUCATION

- PhD** 2011-2022 Ege University
Faculty of Agriculture
- MSc** 2011-2013 Ege University
Faculty of Agriculture
- Bachelor's Degree** 2005-2009 Ege University
Faculty of Agriculture
- LANGUAGE** English - YDS 68

CAREER


- 2011-... Engineer, International Agricultural Research and Training Center – İZMİR
- 2011-2011 Mühendis, Menemen Soil and Water Resources Research Institute – İZMİR
- 2008-2010 Research Assistant, Ege Uni. Faculty of Agriculture – İZMİR


ABOUT ME

He was born in Izmir in 1983. In 2001, he entered Ege University, Faculty of Agriculture, Department of Herbal Production and graduated in 2006. In the same year, he started his graduate education in the Department of Field Crops. He worked as a research assistant in this department between 2008 and 2010. He started working at the International Agricultural Research and Training Center under the Ministry of Agriculture in 2011. He still continues to work as an engineer in this institution.

CONTACT

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▪ **PROJECTS**

▪ **Projects Conducted**

1. National Crop Monitoring and Yield Estimation Project; Crop Monitoring and Yield Estimation of Maize on the Menemen Plain. (2016 – 2020)
2. Determination of Plant Nutrient and Potential Toxic Element Scopes of İzmir-ManisaAydın Provinces Agricultural Soils. (2013 – 2017)
3. Use of Automation and Artificial Neural Networks in Greenhouse Tomato Irrigation. (2013 – 2016)
4. Determination of Effects of Nitrogen and Phosphore Fertilizers Applied by Fertigation Method on the Yield and Some Quality Characteristics of Pepper (2013 – 2016)
5. Investigation of Effects of Different Irrigation Schedules on Yield and Some Plant Growth Parameters of Second Crop Corn and Test of Ceres-Maize Crop Growth Simulation Model on Menemen Plane. (2013 – 2016)
6. Boron Nutrition State of Industrial Tomato Grown in Bursa, İzmir and Manisa Areas and Effects of Appling Different Levels of Boron on the Yield and Some Quality Characteristics. (2013 – 2016)
7. The Determination of TKI-Humic Acid and Reduced Fertilizer Levels Effect on Yield and Quality in Potato under Izmir Ecological Conditions. (2016 – 2015)

▪ **Ongoing Projects**

1. Development a Prototype of Precision Sprayer by Using Deep Learning Method on Weed Control for Maize. (2022 – 2025)
2. Analysis and Modeling of the Effects of Climatic Variability on Coastal Aegean Olive Growing Areas. (2022 – 2025)
3. Determination of Erosion Risk in Basin Scale, and Monitoring of Sediment and Organic Carbon Sources by Fingerprinting Technique. (2020 – 2022)



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▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. ÖZALKAN Ç., SEPETOĞLU H., DAUR I., ŞEN O. F.; 2010; Relationship between some plant growth parameters and grain yield of chickpea (*Cicer arietinum* L.) during different growth stages, Turkish Journal of Field Crops, Vol.15, Number: 1, ISSN 1301 – 1111, S: 79.

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

1. ŞEN O. F., 2019, The Role of Artificial Intelligence in Developing Agricultural Technologies and Possibilities of Use in Turkey (Poster), 6th Congress On Soil And Water Resources With International Participation, İZMİR.
2. UYSAL E, ŞEN O. F., DAŞ KILIÇ Ö.B., CANDAN N., UZUN N., ÜNER K., ALBAYRAK B., BIYIKLI M., ÜĞLÜ G., RAHMANOĞLU N., 2016. Determining the Boron Nutritional Status of Important Industrial Tomato Cultivation Areas of Turkey, International Symposium On Boron in Agriculture, 16-18 November 2016, ANKARA.

▪ **NATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in National Journals**

1. UYSAL E., DAŞ KILIÇ Ö.B., ALBAYRAK B., ÜĞLÜ G., BIYIKLI M., RAHMANOĞLU N., ŞEN O. F.; 2017; Determination of Nutritional Status of Industrial Tomatoes in Bursa Region; BAHÇE; 46 (1): 9–20(2017).
2. KARAGÜL V., GÜRÜN B., ÜNER K., CANDAN N., ŞEN O. F., GEZGİN S., ÖZDEMİR N., BUDAK B., 2017, The Effect of TKI-Reduced Fertilizer Levels on Yield and Quality Characteristics of Potato in Izmir Conditions, *General Directorate of Agricultural Research and Policies (IARTC 2017- 02)*, Project Final Report, İZMİR.
3. CANDAN N., ÜNER K., GÜNDÜZ M., KARAGÜL V., UZUN N., ŞEN O. F., EŞİYOK D., 2017, Determination of Effects of N and P Fertilizers Applied by Fertigation Method on the Yield and Some Quality Characteristics of Pepper, *General Directorate of Agricultural Research and Policies (IARTC 2017-03)*, Project Final Report, İZMİR.

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



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▪ **OTHER PUBLICATIONS**

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

1. ŐEN O., 2022. Determination Of Total And Extractable Contents Of Sulphur, Selenium, Silicon, Molybdenum, Arsenic, Vanadium And Chlorine In Agricultural Soils Of Kűcűk Menderes Basin. (Doctoral thesis).



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

1. 6th Congress on Soil and Water Resources with International Participation . 12-14 November 2019, IZMIR, Turkey. (Organization committee)
2. Justus Liebig Universitat Giessen-GERMANY - Socrates-Erasmus Exchange Program. 2008 (4 months).