



**TAGEM**  
R&D AND INNOVATION

INTERNATIONAL AGRICULTURAL RESEARCH  
AND TRAINING CENTER/IZMIR



## Önder ÖZAL

Agricultural Engineer (MSc)

### EDUCATION

- PhD** Isparta University of Applied Sciences  
2020-ongoing Soil and Plant Nutrient Department
- MSc** Texas A&M University  
2015-2018 Soil and Crop Science Department
- BS'c Degree** Süleyman Demirel University  
2006-2011 Soil and Plant Nutrient Department

**LANGUAGE** IELTS 6,5

### CAREER


- 2018-... Engineer, International Agricultural Research and Training Center – İZMİR
- 2017-2018 Research Assistant / Texas A&M University / Soil and Crop Science / College Station, Texas, USA.
- 2016-2017 Teaching Assistant / Texas A&M University / Soil and Crop Science / College Station, Texas, USA.

### ABOUT ME


He graduated from Suleyman Demirel University, Faculty of Agriculture, Department of Soil and Plant Nutrient in 2011. Since 2018, he has been working as a head of Mineral Analysis Labrotory in the Plant, Soil, Fertilizer and Irrigation Water Laboratory and engineer Soil and Plant Nutrient Department of the International Agricultural Research and Training Center.

His studies area are sustainable agriculture application, mycorrhzae, Microbial fertilizer, his main area of expertice are soil, plant, water, fertilizer, microbial and instrumental analysis.

### CONTACT

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### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

Impact of Massive Hurricane on Private Water Well Quality in Texas, USA, Lab. Project Leader, FEMA, 2017-2018.

#### ▪ **Ongoing Projects**

1. Determination of Agricultural Nitrate and Phosphorus Pollution Using ArcSWAT Method in Menemen Plain - Example of Seyrek Secondary Irrigation Area, TAGEM, Researcher, 2020-2022.
2. Determination of Western Mediterranean Basin Eşen Stream Water Quality and Evaluation in Terms of Agricultural Irrigation (EŞENSU), TAGEM, Researcher, 2020-2022.
3. Determination of Suitable Chemical Analysis Methods to Assessment of Efficient Nitrogen for Plant in Ege Region Conditions, TAGEM, Researcher, 2020-2021.



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### ▪ **PUBLICATIONS**

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

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

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

1. Ozal, O., Mubvumba P., DeLaune P., Somenahally A., Gentry T.J., (2017) Impact of Winter Cover Crops and Tillage Systems on Soil Microbial Population and Mycorrhizal Colonization of Cotton, SSSA Annual Meeting, 22 Ekim 2017, Tampa, FL, USA, (Oral Presentatiton).
2. Hux, B., Ozal, O., Mubvumba P., DeLaune P., Gentry T.J., (2017) Cover Crop Impact on Soil Microbial Activity and Nitrogen Cycling in Rainfed Cotton, SSSA Annual Meeting, 22 Ekim 2017, Tampa, FL, USA (Poster).
3. Ozal, O., Mubvumba P., DeLaune P., Somenahally A., Gentry T.J., (2017) Impact of Winter Cover Crops on Soil Microbial Populations and Mycorrhizal Colonization in Rainfed Cotton, SWSC 72nd International Annual Conference, 30 Haziran 2017, Madison, WI, USA, (Poster).
4. Ozal, O., Mubvumba P., DeLaune P., Somenahally A., Gentry T.J., (2017) Effect of Cover Crops on Soil Microbial Populations in Dryland Cotton, 18th Annual Texas A&M University Ecological Integration Symposium, 24 Mart 2017, Texas A&M University, College Station, TX, USA, (Poster).
5. Ozal, O., Ozden, A. and Coskan, A. (2013) "Influence of Mycorrhiza Inoculation on Plant Growths of Triticale (x Triticosecale Wittmack) and Clover (Medicago sativa) in Sterile and non-Sterile Soils" Athens: ATINER'S Conference Paper Series, No: AGR2013-0774.

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

##### 1. **Articles Published in National Journals**



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- **National Papers, Seminars, etc.**
  - **OTHER PUBLICATIONS**
  - **Ph.D. Thesis, Master Thesis, Reports, Books etc.**
1. Impact Of Winter Cover Crops And Tillage On Soil Microbial Populations And Mycorrhizal Colonization in Dryland, Master Thesis Project, Texas A&M University, NRCS/CIG & Cotton Inc., Texas, 2016-2018.
  2. Influence of Mycorrhiza Inoculation on Plant Growths of Triticale (x Triticosecale Wittmack) and Clover (Medicago sativa) in Sterile and non-Sterile Soils, Suleyman Demirel University, 2010-2011.



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

1. Enviromental Organic Application (Online), CEM Mars Company, İzmir-Turkey, 2020.
2. Thermo Scientific ICP-OES User Training, Redoks Lab. Company, İzmir-Turkey, 2019.
3. TS EN ISO/IEC 17025 Standard 2017 Version Training, SART Consultancy, İzmir-Turkey, 2019.
4. Biosafety Training – Institutional Biosafety Committee Level 1 (IBC Permit) Institutional Biosafety Committee, Texas A&M University, Texas-USA, 2017-2018.
5. Biosafety Training – Institutional Biosafety Committee Level 2 (IBC Permit) Institutional Biosafety Committee, Texas A&M University, Texas-USA, 2017-2018.
6. Bloodborne Pathogens (BBP), Biosafety Occupational Health Prog., Texas A&M University, Teksas-USA,2015.