



TAGEM
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL
RESEARCH INSTITUTE/ ESKİŞEHİR

Didem ÖZEN , PhD Agricultural Engineer

EDUCATION

Assoc. prof

PhD Uludag University, Faculty of
Agriculture Soil Science and Plant Nutrition Department –
2017 –Devam

MSc Ankara University, Faculty of
Agriculture Soil Science and Plant Nutrition Department -
2001

Bachelor's Degree Ankara University, Faculty of
Agriculture Soil Science - 1998

LANGUAGE English YÖKDİL 67,50 / YDS 53,50

CAREER

1999 – 2000 Project Assistant, Michigan State University,
Business Administration -USA

2000 – 2001 Accountant, Aktif Construction Co Ltd.- Ankara

2005 – 2006 Responsible Agricultural Engineer, Buzcular flour,
oil, rice and provender Co Ltd.-Edirne

2010 – 2011 Primary School Teacher, Karacakaya Primary
School -Ankara

2011-..., Agricultural Engineer, Transitional Zone
Agricultural Research Institute, Eskisehir

ABOUT ME

I was born in 1977 in Ankara. I graduated from Ankara University Faculty of Agriculture in 1998. I continued my professional education at Ankara University in 1999 and received my English education in Lansing-Michigan between 1999-2000.

I work in the fields of plant nutrition and plant physiology. I have been working on Zn, Se and bio enrichment and nitrogen, sulfur and nitrogen fertilizer calibration for about 10 years with the Harvest Plus project

CONTACT

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Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. Applied different amounts of phosphorus effects on biodiesel yield and quality in safflower TAGEM/TSKBAD/13/A13/P04/005) 2013-2016 (Project Leader).
2. The Effect of Nitrogen and Sulfur Acquisition and Utilization Activities on Yield and Quality during the Phenological Development Period of Some Bread and Durum Wheats

▪ **Ongoing Projects**

1. TAGEM/TBAD/A/20/A7/P1/1631 The Effect of Nitrogen and Sulfur Acquisition and Utilization Activities on Yield and Quality during the Phenological Development Period of Some Bread and Durum Wheats
2. TAGEM/TBAD/15/A12/P01/004" Determination of Morphological and Physiological Traits in Transitional Zone Agricultural Research Institute Winter Bread Wheat Breeding Materials
3. TAGEM/TBAD/16/A12/P01/004 Determination of Morphological and Physiological Traits in Transitional Zone Agricultural Research Institute Winter Bread Wheat Breeding Materials.
4. Tübitak 1501 Industry- R&D Project No:3190897"Variable Ratio Mineral Fertilizer Application in Deep Chisels" Hisarlar Makine A.Ş and GKTAEM
5. Harvest Plus Projesi Use of Zinc- and Iodine -Containing Fertilizers for Biofortification of Cereals with Zinc and Iodine and Improving Grain Yield in Different Countries- IV. PHASE (Sabancı Üni. ve GKTAEM İş Birliği)
6. AB Projects "Horizon 2020 SolACE "Solutions for improving Agroecosystem and Crop Efficiency for water and nutrient use" Sabancı Üni. ve GKTAEM"



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Ögüt, H., Oguz, H., Şahin, S., Gezgin, S., Aydın, F., Özen D., Yalçın, G., 2015 Investigation Of The Characteristics Of Biodiesel From Some Species Of Safflower. Book of Full Papers of International Scientific XXXVI CIOSTA & CIGR Section V Conference ENVIRONMENTALLY FRIENDLY AGRICULTURE AND FORESTRY FOR FUTURE GENERATIONS 26-28 May. SAINT PETERSBURG the Russian Federation
International Papers, Seminars, etc.

■ **NATIONAL ARTICLES AND PAPERS**

■ **Articles Published in National Journals**

- Ögüt, H., Oguz, H., Şahin, S., Gezgin, S., Aydın, F., Özen D., Özdemir, S., Dayıoğlu, R., 2015 The Biodiesel Quality of Different Phosphorus Applications in Safflower Agriculture for Energy Purposes. Effects. 5th National Workshop on Energy Agriculture and Biofuels. 20-23 May 2015
- Ozen D. 2002. Response of the Some Rice Varieties to Phosphorus Applications. Ankara Univ. (Master Thesis)
- Özen, Çelik, D. Taban ,S., Response of the Some Rice Varieties to Phosphorus Applications. 6. National Plant Nutrition and Fertilizer Congress 03-07 June 2013 Nevsehir.
- Ögüt, H., Oguz, H., Şahin, S., Gezgin, S., Aydın, F., Özen D., Yalçın, G., 2015 Investigation Of The Characteristics Of Biodiesel From Some Species Of Safflower. Book of Full Papers of International Scientific XXXVI CIOSTA & CIGR Section V Conference. Environmentally Friendly Agriculture And Forestry For Future Generations. 26-28 May. Saint Petersburg the Russian Federation
- Ogut, H., Oguz, H., Şahin, S., Gezgin, S., Aydın, F., Özen D., Özdemir, S., Dayıoğlu, R., 2015. Effects of Biodiesel Quality Different Phosphorus Applications in Energy Purpose wheat Farming. Energy farming and Biofuels 5th National Workshop. 20-23 May 2015. (Original: in Turkish)
- TR Dizin'de taranan dergide makale Prediction of grain protein content and gluten quality of bread wheat in the early vegetation period by optical sensors
- TR Dizin'de taranan dergide makale Savaşlı,E., Önder,O., Dayıoğlu,R., Özen,D., Karaduman,Y., Özdemir,S., Ateş,Ö., Özsayın,M., 2021. Nitrogen Fertilizer Recommendation with Optical Sensor for Bread Wheat Varieties. Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi 31(2):453-465.DOI: 10.29133/yyutbd.726039
- Article in the journal searched in TR Index A Calibration Study for Sensor-Based In-season Nitrogen Management of Irrigated Winter Wheat
- Savaşlı , O Önder , R Dayıoğlu, D Özen... - Turkish Journal of ..., 2020 - agrifoodscience.com
- This study was carried out in the Transition Region Agricultural Research Institute in Eskişehir during the 2017-2019 growing seasons. In the study, the responses of four winter wheat varieties (Atay85, Hat 31, Yunus and Nacibey) to nitrogen fertilization under irrigation conditions.

■ **International Papers, Seminars, etc**

1. Özen, Çelik, D. Taban ,S., Response of the Some Rice Varieties to Phosphorus Applications. 6. National Plant Nutrition and Fertilizer Congress 03-07 June 2013 Nevsehir.
2. Applied different amounts of phosphorus effects on biodiesel yield and quality in safflower Kırklareli-



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▪ **OTHER PUBLICATIONS**

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

1. Applied different amounts of phosphorus effects on biodiesel yield and quality in safflower TAGEM/TSKBAD/13/A13/P04/005) 2013-2016 (Project Leader).
2. The Effect of Nitrogen and Sulfur Acquisition and Utilization Activities on Yield and Quality during the Phenological Development Period of Some Bread and Durum Wheats
3. Response of the Some Rice Varieties to Phosphorus Applications. 6. National Plant Nutrition and Fertilizer



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

1. Laboratory Accreditation, documentation, Internal Inspection Training -Eskisehir
2. - Method Validation, Estimation of Measurement Uncertainty, Internal and External Quality Control Training – Eskisehir.
3. - Project Preparation Training -BEBKA
4. TMMOB Chamber of Agricultural Engineers Plant Protection Prescription Training (Ankara 2009)
5. Laboratory Accreditation, Documentation, Internal Inspection Training-Eskişehir(2013)
6. Method Validation, Calculation of Measurement Uncertainty, Internal and External Quality Control Training-Eskişehir Project Writing Training –BEBKA(2013)
7. A Field Guide to Wheat Phenotyping –KONYA(2015)
8. Özen Çelik D. Taban ,S.,Reactions of Some Paddy Varieties to Phosphorus Application 6th National Plant Nutrition and Fertilizer Congress 03-07 June 2013 Nevşehir
9. The Effect of Phosphorus Applied to Safflower Plant in Different Amounts on Biodiesel Yield and Quality, Kırklareli-Congress(2017)