

## **Assoc. Prof. GÜL EBRU ORHUN**

### **Personal Information**

**Office Phone:** [+90 286 775 2512](tel:+902867752512) Extension: 175

**Email:** ebruorhun@comu.edu.tr

**Web:** <https://avesis.comu.edu.tr/ebruorhun>

### **International Researcher IDs**

ORCID: 0000-0002-9902-5421

Yoksis Researcher ID: 124064

### **Education Information**

Doctorate, Trakya University, Fen Bilimleri Enstitüsü, Tarla Bitkileri, Turkey 2002 - 2010

### **Certificates, Courses and Trainings**

Education Management and Planning, An International Short Course in Molecular Plant Breeding, Michigan State Universitesi, 2013

### **Dissertations**

Doctorate, misirda yag kalitesi ve tane verimi ile ilgili özelliklerde kalitım analizleri, Trakya University, Fen Bilimleri Enstitusu, Tarla Bitkiler, 2010

### **Research Areas**

Agricultural Sciences, Agriculture, Infield Plants, Cereal Grains (wheat, oats, rye, corn, barley, millets, rice,etc.), Hot Climate Cereals, Other Crops Grown for Industrial Processing (perfume-producing plants, for medicine, etc.), Oil Plants, Biotechnology and Genetics, Tissue and Organ Culture, Molecular Biotechnology

### **Academic Titles / Tasks**

Associate Professor, Canakkale Onsekiz Mart University, Bayramiç Meslek Yüksekokulu, Park ve Bahçe Bitkileri, 2021 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Bayramiç Meslek Yüksekokulu, Bitkisel ve Hayvansal Üretim, 2018 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, 2017 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Bayramiç Meslek Yüksekokulu, Bitkisel ve Hayvansal Üretim, 2016 - 2018

Lecturer PhD, Canakkale Onsekiz Mart University, Bayramiç Meslek Yüksekokulu, Bitkisel ve Hayvansal Üretim, 2010 - 2016

Lecturer PhD, Michigan State University, Agriculture, Department Of Plant, Soil And Microbiology, 2013 - 2014

## **Academic and Administrative Experience**

Canakkale Onsekiz Mart University, Bayramiç Meslek Yüksekokulu, 2016 - Continues

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **An Epigenetic Alphabet of Crop Adaptation to Climate Change**  
Guarino F., Cicatelli A., Castiglione S., Agius D. R., ORHUN G. E., Fragkostefanakis S., Leclercq J., Dobranszki J., Kaiserli E., Lieberman-Lazarovich M., et al.  
FRONTIERS IN GENETICS, vol.13, 2022 (SCI-Expanded)
- II. **Investigation of Agronomic and Kerne Quality Traits of Registered Maize Varieties using Principal Component Biplot Analysis**  
ORHUN G. E.  
MAYDICA, vol.65, no.2, 2020 (SCI-Expanded)
- III. **Investigation of agronomic and kernel quality traits of registered maize varieties using principal component biplot analysis**  
ORHUN G. E.  
Maydica, vol.65, no.2, pp.1-7, 2020 (SCI-Expanded)
- IV. **Metabolic Engineering to Increase the Corn Seed Storage Lipid Quantity and Change Its Compositional Quality**  
Alameldin H., Izadi-Darbandi A., Smith S. A., Balan V., Jones A. D., Orhun G. E., Sticklen M.  
CROP SCIENCE, vol.57, no.4, pp.1854-1864, 2017 (SCI-Expanded)
- V. **biotechnological methods for the improvement cereals**  
ORHUN G. E.  
International journal of food engineering, vol.2, no.2, 2016 (SCI-Expanded)
- VI. **Comparison of graphical analyses for maize genetic experiments: Application of biplots and polar plot to line x tester design**  
KAHRIMAN F., EGESEL C. Ö., ORHUN G. E., Alaca B., Avci F.  
CHILEAN JOURNAL OF AGRICULTURAL RESEARCH, vol.76, no.3, pp.285-293, 2016 (SCI-Expanded)
- VII. **Some heavy metal effects on maize (*Zea mays L.*) germination**  
ORHUN G. E.  
CIENCIA E TECNICA VITIVINICOLA, no.30, pp.1-8, 2015 (SCI-Expanded)
- VIII. **Interrelationships among the oil and fatty acids in maize**  
ORHUN G. E., Korkut K. Z.  
AFRICAN JOURNAL OF AGRICULTURAL RESEARCH, vol.6, no.9, pp.2115-2117, 2011 (SCI-Expanded)
- IX. **Determining the best sprouting conditions for germination of radish (*Raphanus sativus*) seeds consumed as vegetables**  
Guel E. O., Levent A.  
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.6, no.1, pp.123-127, 2008 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Correlations Some associated characers grain yield in maize**  
ORHUN G. E.  
International journal of Scientific and Technological Research, vol.4, no.10, pp.141-144, 2018 (Peer-Reviewed Journal)
- II. **Genetic Control of Oil and Saturated Fatty Acids in Maize (*Zea mays L.*) Populations**  
ORHUN G. E.  
Gazi Osman Pasa Universitesi Ziraat Fakultesi Dergisi, vol.35, no.3, pp.242-247, 2018 (Peer-Reviewed Journal)
- III. **Global warming and maize**  
Orhun G. E.

- Journal of advanced agricultural technologies, vol.4, no.1, 2017 (Peer-Reviewed Journal)
- IV. Inheritance of protein content and grain yield in half diallel maize (*Zea mays l.* ) populations**  
 ORHUN G. E.  
 Australian Journal of Biology and Environment Research, vol.1, pp.31-35, 2014 (Peer-Reviewed Journal)
- V. Inheritance Analysis of Linoleic Acid Content in Half Diallel Maize Populations**  
 ORHUN G. E., Korkut K. Z.  
 Greener Journal of Agricultural Science, vol.4, no.8, pp.321-325, 2014 (Peer-Reviewed Journal)
- VI. Efficiency Analysis of Silage Maize Production in Province of Çanakkale**  
 ORHUN G. E., orhun e.  
 Asian Journal of Agricultural Extension, Economics and Sociology, 2014 (Peer-Reviewed Journal)
- VII. The Importance Maize and Maize Products**  
 ORHUN G. E.  
 The Journal of Ege University Faculty of Agricultura, no.11, pp.211-212, 2013 (Peer-Reviewed Journal)
- VIII. Efficiency Analysis of Silage Maize Production in theProvince of Canakkale**  
 Orhun G. E., Orhun E.  
 Asian Journal of Agricultural Extension Economy Sociology, vol.2, no.2, pp.140-151, 2013 (Peer-Reviewed Journal)
- IX. Maize for life**  
 Orhun G. E.  
 International journal of food science and nutrition engineering, vol.3, no.2, pp.13-16, 2013 (Scopus)
- X. MISIRDA 8X8 YARIM DİALLEL MELEZ DÖLLERİNDE VERİM VE VERİM UNSURLARI AÇISINDAN KARŞILAŞTIRMALAR**  
 ORHUN G. E., Korkut K. z.  
 JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESI DERGİSİ, 2011 (Peer-Reviewed Journal)
- XI. Transgenik Bitkiler ve Onemi**  
 ORHUN G. E.  
 Dunya Gida Dergisi, pp.80-84, 2010 (Peer-Reviewed Journal)
- XII. Harika filizler**  
 ORHUN G. E.  
 Turktarim Tarim ve Koy isleri bakanligi dergisi, vol.153, pp.42-44, 2003 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. Traditional European Breads**  
 Orhun G. E. (Editor)  
 Springer, Zürich, 2023
- II. Field management practices to produce nutritional and healthier minor crops**  
 ORHUN G. E., AKIN M., Maqbol A., Erduran S., Rakszegi M.  
 in: Developing Sustainable and Health Promoting Cereals and Pseudocereals, , Editor, Elsevier, pp.175-142, 2023
- III. ÇANAKKALE'DE BAZI MISIR HİBRİTLERİNİN SILAJ KALİTE BAKIMINDAN DEĞERLENDİRİLMESİ**  
 Orhun G. E.  
 in: Ziraat, Orman ve Su Ürünlerinde Araştırma ve Değerlendirmeler - I, Prof. Dr. İbrahim Cengizler Doç. Dr. Selçuk Duman, Editor, Gece, Ankara, pp.137-145, 2021
- IV. Biyokutle Enerjisi ve Ekoloji**  
 Gonul T. Z., ORHUN G. E.  
 in: Ziraat, Orman ve Su Urnlerinde Arastirma ve Degerlendirmeler II, , Editor, Gece kiapligi, pp.187-199, 2021
- V. ÇANAKKALE'DE BAZI MISIR HIBRİTLERİNİN SILAJ KALİTE BAKIMINDAN DEĞERLENDİRİLMESİ**  
 ORHUN G. E.  
 in: Ziraat, Orman ve Su Urnlerinde Arastirmalar ve Degerlendirmeler I, Prof.Dr. İbrahim Cengizler, Doc.Dr.Selçuk Duman, Editor, Gece, Ankara, pp.137-147, 2021

- VI. **The Importance of Biomass Energy and Environment**  
ORHUN G. E.  
in: INNOVATIVE APPROACHES IN AGRICULTURE, FORESTRY AND AQUACULTURE SCIENCES, Prof. Dr. Nigar Yarpuz BOZDOĞAN, Editor, Gece Akademi, 2018
- VII. **Maize ( an Indispensable plant)**  
ORHUN G. E.  
Lambert Publishing, 2012

## Refereed Congress / Symposium Publications in Proceedings

- I. **Cereal Genetic Engineering Studies**  
ORHUN G. E.  
1st PlantEd conference, Novi-Sad, Serbia, 5 - 07 November 2019
- II. **Climate Change Impacts on agriculture**  
ORHUN G. E.  
Adana II international Multidisipliner Congreess, 4 - 05 May 2018, pp.161
- III. **Kuresel Isınmanın Tarıma ve Ekonomiye Etkisi**  
ORHUN G. E., orhun e.  
II. Uluslararası Multidisipliner Çalışmalar Kongresi, 04 May 2018 - 05 December 2020
- IV. **Bioenergy Plants and Economy**  
ORHUN G. E., orhun e.  
II. Uluslararası Multidisipliner Çalışmaları Kongresi, 5 - 08 May 2018
- V. **Climate Change Effects on Plants**  
ORHUN G. E.  
5th International Conference on Agriculture and Biotechnology, 27 - 29 December 2017
- VI. **Bioenergy Plants and Economy**  
ORHUN G. E., orhun e.  
134th THE IIER International Conference Dubai, 2 - 03 November 2017
- VII. **Global Warming and Maize**  
ORHUN G. E.  
2nd International Conference Food and Environment, 11 - 13 May 2016
- VIII. **Inheritance of protein content and grain yield in half diallel maize Zea mays L populations**  
ORHUN G. E.  
International Confernce of Plant Sciences ,Forestry and Biology, 15 - 16 November 2014
- IX. **The Importance Maize and Maize Products**  
ORHUN G. E.  
23.International Scientific-Experts Congress on Agriculture and Food Endustry, 27 - 29 September 2012
- X. **Tahıl İslahında kullanılan biyoteknolojik yöntemler**  
ORHUN G. E.  
9. TARLA BİTKİLERİ KONGRESİ, Turkey, 3 - 06 October 2011
- XI. **Maize Oil for Health İmportance**  
ORHUN G. E.  
4th Annual International Conference on Agriculture ,Athens Greece, 6 - 09 June 2011

## Supported Projects

- Orhun G. E., FP1 Project, Waste biorefinery technologies for accelerating sustainable energy processes, 2023 - 2026  
Orhun G. E., EU Supported Other Project, CROSS-BORDER TRANSFER AND DEVELOPMENT OF SUSTAINABLE RESOURCE RECOVERY STRATEGIES TOWARDS ZERO WASTE, 2023 - 2026

ORHUN G. E., Yilmaz D., Project Supported by Higher Education Institutions, Bor Giderilmis Jeotermal Kaynaklarin Bugday Tariminda Kullanilabilirliginin Arastirilmasi, 2020 - 2022

ORHUN G. E., ENNİL BEKTAS T., Yilmaz D., Project Supported by Higher Education Institutions, Gıda Olarak Kullanicı Tohum Filizlerinin Yetistirilmesinde Bor Giderilmis Jeotermal Kaynak Kullanımı, 2020 - 2022

ORHUN G. E., Project Supported by Higher Education Institutions, Canakkale kosullarında çiftcilerin kullandığı misir hibritlerinin tane kalite ve silaj kalite açısından değerlendirilmesi, 2018 - 2020

ORHUN G. E., Other International Funding Programs, Plant cell and tissue culture with emphasis on genetic engineering for drought tolerance and for production of lipid in corn leaves., 2013 - 2018

ORHUN G. E., Other International Funding Programs, Genetic Transformation of Soybean for Development of SCN, SDS, Drought and Liberty Herbicide Resistance, 2012 - 2015

## **Memberships / Tasks in Scientific Organizations**

ICFAS Technical Committee, Member, 2015 - Continues

## **Scientific Research / Working Group Memberships**

COST Horizon 2020 Proje Sourdiks, ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ, Türkiye,

<https://www.cost.eu/actions/CA18101/#tabs|Name:overview>, 2019 - Continues

Horizon 2020 Plant Edition Projesi, Çanakkale Onsekiz Mart Üniversitesi, Türkiye, 2019 - Continues

## **Metrics**

Publication: 49

Citation (WoS): 66

Citation (Scopus): 80

H-Index (WoS): 6

H-Index (Scopus): 5

## **Awards**

ORHUN G. E., SCI Bilimsel Yayın Destegi, TUBITAK, January 2018

ORHUN G. E., Excellent Paper Odulu, IIER, October 2017

ORHUN G. E., uluslararası bilimsel yayın teşvik 2224, TUBİTAK, October 2014

ORHUN G. E., An International Short Course in Molecular Plant Breeding, Michigan State Üniversitesi, August 2013

## **Non Academic Experience**

Michigan State Üniversitesi

Milli Eğitim Bakanlığı