

## Assoc. Prof. GÜL EBRU ORHUN

### Personal Information

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### 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, mısırd a yağ kalitesi ve tane verimi ile ilgili özelliklerde kalıtım analizleri, Trakya University, Fen Bilimleri Enstitüsü, Tarla Bitkileri,, 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. **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)
- IV. **biotechnological methods for the improvement cereals**  
ORHUN G. E.  
International journal of food engineering, vol.2, no.2, 2016 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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 Agriculture, no.11, pp.211-212, 2013 (Peer-Reviewed Journal)
- VIII. **Efficiency Analysis of Silage Maize Production in the Province of Çanakkale**  
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 FAKULTESİ DERGİSİ, 2011 (Peer-Reviewed Journal)
- XI. **Transgenik Bitkiler ve Önemi**  
ORHUN G. E.  
Dunya Gıda Dergisi, pp.80-84, 2010 (Peer-Reviewed Journal)
- XII. **Harika filizler**  
ORHUN G. E.  
Türktarım Tarım ve Köy işleri bakanlığı dergisi, vol.153, pp.42-44, 2003 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **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
- II. **ÇANAKKALE'DE BAZI MISIR HİBRİTLERİNİN SİLAJ 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
- III. **Biyokütle Enerjisi ve Ekoloji**  
Gonul T. Z., ORHUN G. E.  
in: Ziraat, Orman ve Su Ürünlerinde Araştırma ve Değerlendirmeler II, , Editor, Gece yayıneği, pp.187-199, 2021
- IV. **ÇANAKKALE'DE BAZI MISIR HİBRİTLERİNİN SİLAJ KALİTE BAKIMINDAN DEĞERLENDİRİLMESİ**  
ORHUN G. E.  
in: Ziraat, Orman ve Su Ürünlerinde Araştırmalar ve Değerlendirmeler I, Prof. Dr. İbrahim Cengizler, Doç. Dr. Selçuk Duman, Editor, Gece, Ankara, pp.137-147, 2021
- V. **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
- VI. **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 Isinmanin Tarima ve Ekonmiye Etkisi**  
ORHUN G. E., orhun e.  
II. Uluslararası Multidisipliner Calismalar 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 ıslahında kullanılan biyoteknolojik yöntemler**  
ORHUN G. E.  
9. TARLA BİTKİLERİ KONGRESİ, Turkey, 3 - 06 October 2011
- XI. **Maize Oil for Health Importance**  
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 Kaynakların Bugday Tariminda Kullanilabilirliğinin Arastirilmesi, 2020 - 2022

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

ORHUN G. E., Project Supported by Higher Education Institutions, Canakkale kosullarında ciftcilerin kullandigi misir hibritlerinin tane kalite ve silaj kalite acisindan degerlendirilmesi, 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 Sourdomiks, ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ, Turkey,

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

Horizon 2020 Plant Edition Projesi, Canakkale Onsekiz Mart Universitesi, Turkey, 2019 - Continues

## **Metrics**

Publication: 47

Citation (WoS): 21

Citation (Scopus): 33

H-Index (WoS): 4

H-Index (Scopus): 4

## **Awards**

ORHUN G. E., SCI Bilimsel Yayın Destegi, TUBİTAK, 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 Universitesi, August 2013

## **Non Academic Experience**

Michigan State Universitesi

Milli Eğitim Bakanlığı