

## Asst. Prof. RÜSTEM ÜSTÜN



### Personal Information

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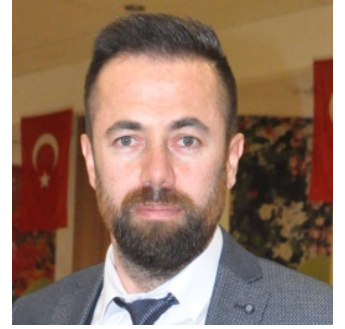
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### International Researcher IDs

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### Education Information

Doctorate, Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, Turkey 2014 - 2020

Postgraduate, Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, Turkey 2011 - 2014

Undergraduate, Akdeniz University, Faculty of Agriculture, Ziraat Mühendisliği, Turkey 2004 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, SOYADA (*Glycine max L.*) MOLEKÜLER MARKER DESTEKLG SELEKSGYON VE EMS MUTASYON YÖNTEMG KULLANILARAK SU GRUBU HERBGSGLERE DAYANIKLI VE SÜPER OLEK ASGT TGPG HATLARIN GELGgTGRGLMESG, Akdeniz University, Fen Bilimleri , Tarla Bitkileri, 2020

Postgraduate, SUSAM GENETİK STOKUNUN PHYLLODY HASTALIĞINA KARŞI DAYANIKLILIK BAKIMINDAN TARANMASI VE MOLEKÜLER ANALİZİ, Akdeniz University, Fen Bilimleri , Tarla Bitkileri, 2014

### Research Areas

Agricultural Sciences, Agriculture, Infield Plants, Other Crops Grown for Industrial Processing (perfume-producing plants, for medicine, etc.), Oil Plants, Biotechnology and Genetics, Molecular Biotechnology

### Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2021 - Continues

Research Assistant, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2013 - 2021

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

- I. **Computational molecular explanation of Soybean AHAS resistance from P197S mutation**  
ÜSTÜN R., Chalmers G., Tehrani D., UZUN B.  
Plant Physiology and Biochemistry, vol.201, 2023 (SCI-Expanded)
- II. **Development of a High Yielded Chlorsulfuron-Resistant Soybean (Glycine max L.) Variety through Mutation Breeding**  
Ustun R., Uzun B.  
AGRICULTURE, no.13, pp.1-12, 2023 (SCI-Expanded)
- III. **First Report of Alternaria alternata Causing Leaf Spot Disease on Soybean (Glycine max) in Antalya Province of Turkey**  
Üstün R., Cat A., Uzun B., Catal M.  
PLANT DISEASE, vol.103, pp.3284, 2019 (SCI-Expanded)
- IV. **Screening, selection and real-time qPCR validation for phytoplasma resistance in sesame (Sesamum indicum L.)**  
ÜSTÜN R., YOL E., İKTEN C., ÇATAL M., UZUN B.  
EUPHYTICA, vol.213, no.7, 2017 (SCI-Expanded)
- V. **Oil Content, Oil Yield and Fatty Acid Profile of Groundnut Germplasm in Mediterranean Climates**  
YOL E., ÜSTÜN R., GÖLÜKÇÜ M., UZUN B.  
JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY, vol.94, no.6, pp.787-804, 2017 (SCI-Expanded)
- VI. **Multiplex Real-Time qPCR Assay for Simultaneous and Sensitive Detection of Phytoplasmas in Sesame Plants and Insect Vectors**  
İKTEN C., ÜSTÜN R., ÇATAL M., YOL E., UZUN B.  
PLOS ONE, vol.11, no.5, 2016 (SCI-Expanded)
- VII. **Molecular identification, characterization and transmission of phytoplasmas associated with sesame phyllody in Turkey**  
İKTEN C., ÇATAL M., YOL E., ÜSTÜN R., Furat S., TOKER C., UZUN B.  
EUROPEAN JOURNAL OF PLANT PATHOLOGY, vol.139, no.1, pp.217-229, 2014 (SCI-Expanded)
- VIII. **First Report of a 16SrIX Group (Pigeon Pea Witches'-Broom) Phytoplasma Associated with Sesame Phyllody in Turkey.**  
Catal M., Ikten C., Yol E., Üstün R., Uzun B.  
Plant disease, vol.97, no.6, pp.835, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Assessment of Germination and Seedling Development Factors of Soybean Cultivars in Different Salinity Levels**  
ÜSTÜN R., AMJID M.  
Black Sea Journal of Agriculture, vol.7, no.5, pp.477-485, 2024 (Peer-Reviewed Journal)
- II. **Identification of Seedborne Fungi on Soybean (Glycine max L.) Seeds Grown in Mediterranean Region of Turkey**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.8, no.3, pp.367-373, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Identification of Aspergillus niger and Aspergillus flavus on Soybean Seed**  
ÜSTÜN R., ÇAT A., GÜDEN B., ÇATAL M., UZUN B.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOTECHNOLOGY AND BIOCHEMISTRY, Ankara, Turkey, 16 - 18 December 2020, pp.166
- II. **Determination and Molecular Characterization of Bacteria in Mix of Sweet Sorghum and Soybean**

## **Silage**

ÜSTÜN R., GÜDEN B., ÇAT A., ÇATAL M., UZUN B.

INTERNATIONAL EURASIAN CONFERENCE ON BIOTECHNOLOGY AND BIOCHEMISTRY, Ankara, Turkey, 16 - 18 December 2020, pp.167

- III. **Identification and characterization of Cladosporium cladosporiodes on soybean seed**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
WORLD OILSEEDS CONGRESS, 6 - 07 November 2020
- IV. **Identification and Characterization of Cladosporium cladosporiodes on Soybean Seed**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
World Oil Seed Congress, Lviv, Ukraine, 6 - 07 November 2019, pp.19
- V. **Identification and Characterization of Cladosporium cladosporiodes on Soybean Seed**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
World Oil Seed Congress, Lviv, Ukraine, 6 - 07 November 2019, pp.19
- VI. **Identification and Characterization of Cladosporium cladosporiodes on Soybean Seed**  
ÜSTÜN R., ÇAT A., ÇATAL M., UZUN B.  
World Oil Seed Congress, Lviv, Ukraine, 6 - 07 November 2019, pp.19
- VII. **Advances in molecular diagnosis of the sesame phytoplasmas and resistance to sesame phyllody.**  
UZUN B., İKTEN C., ÇATAL M., ÜSTÜN R., FURAT S., YOL E.  
COST action FA0807 final meeting, Lizbon, Portugal, 30 September - 01 October 2013, pp.59
- VIII. **Molecular diagnosis of peanut witches'-broom group (16SrII) phytoplasma infecting sesame in Turkey**  
İKTEN C., YOL E., ÇATAL M., ÜSTÜN R., UZUN B.  
European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24
- IX. **Sensitive detection of sesame phytoplasmas of 16SrII and 16SrIX groups in its plant and insect host using real-time PCR**  
İKTEN C., ÜSTÜN R., ÇATAL M., YOL E., UZUN B.  
European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24
- X. **Screening, testing and molecular diagnosis for resistance against phyllody disease in sesame.**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C., ÇATAL M., TOKER C., FURAT S.  
EUCARPIA Genetic Resources section meeting, Alnarp, Sweden, 10 - 13 June 2013, pp.82
- XI. **Screening, testing and molecular diagnosis for resistance against phyllody disease in sesame.**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C., ÇATAL M., TOKER C., FURAT S.  
EUCARPIA Genetic Resources section meeting, Alnarp, Sweden, 10 - 13 June 2013, pp.82
- XII. **Screening, testing and molecular diagnosis for resistance against phyllody disease in sesame**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C., ÇATAL M., TOKER C., Furat S.  
EUCARPIA Genetic Resources section meeting, Sweden, 1 - 04 June 2013, pp.82
- XIII. **Assessment Of Oil Content And Fatty Acid Composition Of The Sesame Core Collection", Plant Breeding for Future Generations**  
UZUN B., YOL E., FURAT S., ÜSTÜN R., TOKER R., GÖLÜKÇÜ M.  
EUCARPIA 19th General Congress, Budapeşte, Hungary, 21 - 24 May 2012, pp.274
- XIV. **Assessment of oil content and fatty acid composition of the sesame core collection**  
UZUN B., YOL E., Furat S., ÜSTÜN R., TOKER R., GÖLÜKÇÜ M.  
Plant Breeding for Future Generations, EUCARPIA 19th General Congress, Budapeşte, Hungary, 21 - 24 May 2012, pp.274
- XV. **Assessment of oil content and fatty acid composition of the sesame core collection**  
UZUN B., YOL E., Furat S., ÜSTÜN R., TOKER R., GÖLÜKÇÜ M.  
Plant Breeding for Future Generations, EUCARPIA 19th General Congress, Turkey, 1 - 04 May 2012, pp.274

## **Supported Projects**

YOL E., İKTEN C., UZUN B., ÜSTÜN R., ÇATAL M., Project Supported by Higher Education Institutions, Screening selection and realtime qPCR validation for phytoplasma resistance in sesame *Sesamum indicum* L, 2018 - 2020

UZUN B., ÜSTÜN R., Project Supported by Higher Education Institutions, EMS mutageni kullanılarak klorosulforon (SU grubu) herbisitine karşı dayanıklı soya (*Glycine max* L.) mutantlarının geliştirilmesi ve ALS geninin dizi analizi, 2018 - 2020

## **Metrics**

Publication: 51

Citation (WoS): 99

Citation (Scopus): 119

H-Index (WoS): 5

H-Index (Scopus): 4

## **Scholarships**

2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2021 - 2022