

## Assoc. Prof. ENGİN YOL

### Personal Information

**Office Phone:** [+90 242 227 4400](tel:+902422274400) Extension: 2520

**Email:** enginyol@akdeniz.edu.tr

**Web:** <https://avesis.akdeniz.edu.tr/enginyol>

### International Researcher IDs

ORCID: 0000-0002-3152-6078

Publons / Web Of Science ResearcherID: B-9061-2016

ScopusID: 34868921600

Yoksis Researcher ID: 36696

### Education Information

Post Doctorate, The James Hutton Institute, Cell And Molecular Sciences, Plant Genetics, United Kingdom 2016 - 2016

Doctorate, Akdeniz University, Institute of Science, Tarla Bitkileri, Turkey 2011 - 2015

Postgraduate, Akdeniz University, Institute of Science, Tarla Bitkileri, Turkey 2008 - 2011

Undergraduate, Ondokuz Mayıs University, Faculty Of Education, Biyoloji, Turkey 2003 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Other, Uygulamalı Bitki Genom Analizleri Eğitimi, Pamukkale Üniversitesi, 2019

Education Management and Planning, Linux for Genomics, Edinburgh University, 2016

Education Management and Planning, Galaxy Bioinformatics Workshop, 3rd Annual Next Generation Sequencing Conference. Glasgow University, 2016

Education Management and Planning, Latest technologies for crop improvement, BİSAB - Warwick University, 2015

Education Management and Planning, Methodologies to improve phytoplasma DNA extraction from plants and insects, COST (European Cooperation in Science and Technology), 2012

Education Management and Planning, Field Trials, Post-Release and Post-Market Monitoring of GMOs, ICGEB, 2011

Education Management and Planning, School on bioinformatical analyses of phytoplasma sequences, COST (European Cooperation in Science and Technology), 2011

Education Management and Planning, Basic Concepts and Statistical Analysis in Population Genetics, TÜBİTAK - MAM, 2010

Education Management and Planning, The. Appr.and Practical Application in the Risk Assessment for the Deliberate Release of GM Plants, ICGEB, 2009

Education Management and Planning, III. Molecular Biotechnology Spring School, Ondokuz Mayıs Üniversitesi, 2008

### Dissertations

Doctorate, YERFİSTİĞİ (*Arachis hypogaea* L.) GERMPLASMINDA BAZI HASTALIK VE ZARARLILARA DAYANIKLILIK

GENLERİNİN MOLEKÜLER MARKERLERLE BELİRLENMESİ VE MOLEKÜLER ISLAH YARDIMIYLA İLERİ HAT VE ÇEŞİTLERE AKTARILMASI , Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, 2015  
Postgraduate, DÜNYA SUSAM KOLEKSİYONUNUN AGRO-MORFOLOJİK VE KALİTE ÖZELLİKLERİ BAKIMINDAN KARAKTERİZASYONU VE GENETİK ÇEŞİTLİLİĞİN BELİRLENMESİ, Akdeniz University, Institute of Science, Tarla Bitkileri, 2011

## 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 Genetics

## Academic Titles / Tasks

Associate Professor, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2019 - Continues  
Assistant Professor, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2018 - 2019  
Assistant Professor, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2015 - 2018  
Research Assistant, Akdeniz University, Faculty of Agriculture, Department of Field Crops, 2009 - 2015

## Academic and Administrative Experience

Akdeniz University, Tarla Bitkileri, Tarla Bitkileri, 2021 - Continues  
Akdeniz University, Tohumculuk Ve Tarımsal Biyoteknoloji Araştırma Ve Uygulama Merkezi (Atom), 2020 - Continues  
Akdeniz University, Faculty of Agriculture, Tarla Bitkileri, 2015 - 2017

## Courses

Biyoenjerji Üretiminde Biyoteknolojik Yenilikler, Postgraduate, 2016 - 2017  
Moleküler Markerlerin Bitki Islahında Kullanımı, Undergraduate, 2016 - 2017  
Yağ Bitkileri ve Islahı, Undergraduate, 2016 - 2017  
Temel Biyoinformatik Analizler, Postgraduate, 2016 - 2017  
Nişasta Şeker Bitkileri ve Islahı, Undergraduate, 2015 - 2016

## Advising Theses

Yol E., YERFISTIĞINDA (Arachis hypogaea L.) YÜKSEK VERİM VE OLEİK ASİT İÇERİĞİNE SAHİP HATLARIN SELEKSİYONU, Postgraduate, H.TALHA(Student), 2022  
YOL E., SUSAMDA YENİ NESİL DİZİLEME VERİLERİ KULLANILARAK INDEL MARKERLERİN GELİŞTİRİLMESİ, Postgraduate, S.KIZIL(Student), 2020  
YOL E., YERFISTIĞINDA (Arachis hypogaea L.) MUTAGEN UYGULAMASI İLE AGRO-MORFOLOJİK VARYASYONUN OLUŞTURULMASI VE TILLING METODU KULLANILARAK YAĞ ASİDİ SENTEZİ VE ALERJİNİTEDEN SORUMLU GENLERDEKİ TEK BAZ DEĞİŞİKLİKLERİNİN BELİRLENMESİ, Postgraduate, K.KARAMAN(Student), 2019  
YOL E., AKDENİZ SUSAM KOR KOLEKSİYONUNDA GENETİK ÇEŞİTLİLİĞİN VE POPÜLASYON YAPISININ BELİRLENMESİ, Postgraduate, M.BAŞAK(Student), 2019  
YOL E., YERFISTIĞI (Arachis hypogaea L.) KOLEKSİYONUNDA SAP ÇÜRÜKLÜĞÜNE (etmen: Sclerotium rolfsii) DAYANIKLI GENOTİPLERİN BELİRLENMESİ VE MOLEKÜLER MARKER İLE VALİDASYONU, Postgraduate, V.GÜÇLÜ(Student), 2018

## Jury Memberships

Post Graduate, Tez savunma, Akdeniz Üniversitesi, January, 2021

Post Graduate, Tez Savunma Jürisi, Betül TÜZÜN KİS, AKDENİZ ÜNİVERSİTESİ, February, 2020

Post Graduate, Tez Savunma Jürisi, Çağlar GÜRİSOY, İSPARTA UYGULAMALI BİLİMLER ÜNİVERSİTESİ LİSANSÜSTÜ EĞİTİM ENSTİTÜSÜ, July, 2019

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

- I. **Modulating Growth and Oil Profile of Sesame (*Sesamum indicum* L.): Paclobutrazol and Mepiquat Chloride Impacts**  
Qureshi M., Kordrostami M., UZUN B., YOL E.  
Journal of Plant Growth Regulation, vol.43, no.8, pp.2905-2921, 2024 (SCI-Expanded)
- II. **Development and utilization of genome-wide InDel markers in Sorghum [*Sorghum bicolor* (L.) Moench]**  
GÜDEN B., Kiemde O., YOL E., UZUN B.  
Euphytica, vol.220, no.5, 2024 (SCI-Expanded)
- III. **The advantages of intercropping to improve productivity in food and forage production—a review**  
Toker P., ÇANCI H., TURHAN İ., İŞÇİ YAKAN A., Scherzinger M., Kordrostami M., YOL E.  
Plant Production Science, vol.27, no.3, pp.155-169, 2024 (SCI-Expanded)
- IV. **The effects of foliar amino acid and Zn applications on agronomic traits and Zn biofortification in soybean (*Glycine max* L.)**  
Han Ş., SÖNMEZ İ., Qureshi M., GÜDEN B., Gangurde S. S., YOL E.  
Frontiers in Plant Science, vol.15, 2024 (SCI-Expanded)
- V. **Molecular breeding to develop advanced lines with high oleic acid and pod yield in peanut**  
Gulten H. T., Polat M., Basak M., Qureshi M., Golukcu M., UZUN B., YOL E.  
Industrial Crops and Products, vol.203, 2023 (SCI-Expanded)
- VI. **Assessment of drought tolerance of sesame germplasm with agronomic and quality traits**  
Qureshi M., ARSLAN M., Golukcu M., Bera S. K., UZUN B., YOL E.  
Crop Science, vol.63, no.5, pp.2763-2777, 2023 (SCI-Expanded)
- VII. **Diversity for Fatty Acid and Organic Acid Contents in Mutant Grass Pea (*Lathyrus sativus* L.) Genotypes**  
ARSLAN M., Gökçaya T. H., Çetin E. D., ERKAYMAZ T., YOL E.  
Legume Research, vol.46, no.5, pp.541-547, 2023 (SCI-Expanded)
- VIII. **Construction of a high-density genetic linkage map and QTL mapping for bioenergy-related traits in sweet sorghum [*Sorghum bicolor* (L.) Moench]**  
GÜDEN B., YOL E., Erdurmus C., Lucas S. J., UZUN B.  
Frontiers in Plant Science, vol.14, 2023 (SCI-Expanded)
- IX. **FATTY ACID CONTENTS IN GRASS PEA ELITE LINES GROWN IN DIFFERENT ENVIRONMENTS**  
ARSLAN M., Gokkaya T. H., ERKAYMAZ T., YOL E., Turk M.  
TURKISH JOURNAL OF FIELD CROPS, no.1, pp.94-101, 2023 (SCI-Expanded)
- X. **Disentangling the Genetic Diversity of Grass Pea Germplasm Grown under Lowland and Highland Conditions**  
Arslan M., Yol E., Türk M.  
Agronomy, vol.12, no.10, 2022 (SCI-Expanded)
- XI. **Breeding history for shattering trait in sesame: classic to genomic approach**  
Qureshi M., Langham D. R., Lucas S. J., UZUN B., YOL E.  
Molecular Biology Reports, vol.49, no.7, pp.7185-7194, 2022 (SCI-Expanded)
- XII. **Development and characterization of ethyl methane sulfonate (EMS) induced mutant population of grass pea with yield, quality and forage traits**

Arslan M., Doğan E., Yol E.

EMIRATES JOURNAL OF FOOD AND AGRICULTURE, vol.34, no.6, pp.528-536, 2022 (SCI-Expanded)

- XIII. **Development of EMS-induced Mutagenized Groundnut Population and Discovery of Point Mutations in the ahFAD2 and Ara h 1 Genes by TILLING**  
Karaman K., Kızıl S., Başak M., Uzun B., Yol E.  
Journal Of Oleo Science, vol.70, no.11, pp.1-10, 2021 (SCI-Expanded)
- XIV. **A High-Density SNP Genetic Map Construction Using ddRAD-Seq and Mapping of Capsule Shattering Trait in Sesame**  
YOL E., Basak M., Kizil S., LUCAS S., UZUN B.  
FRONTIERS IN PLANT SCIENCE, vol.12, 2021 (SCI-Expanded)
- XV. **Characterization of a groundnut collection to stem rot disease caused by Sclerotium rolfsii**  
GUCLU V., AYDOĞDU M., BASAK M., KIZIL S., UZUN B., YOL E.  
AUSTRALASIAN PLANT PATHOLOGY, vol.49, no.6, pp.691-700, 2020 (SCI-Expanded)
- XVI. **Genome-wide discovery of indel markers in sesame (Sesamum indicum L.) using ddradseq**  
Kızıl S., Basak M., GÜDEN B., TOSUN H. Ş., UZUN B., YOL E.  
Plants, vol.9, no.10, pp.1-17, 2020 (SCI-Expanded)
- XVII. **Genome-Wide Discovery of InDel Markers in Sesame (Sesamum indicum L.) using ddRADSeq**  
Kızıl S., Başak M., GÜDEN B., UZUN B., YOL E.  
PLANTS-BASEL, vol.9, pp.1262, 2020 (SCI-Expanded)
- XVIII. **Genotyping of Low beta-ODAP Grass Pea (Lathyrus sativus L.) Germplasm with EST-SSR Markers**  
ARSLAN M., BASAK M., Aksu E., UZUN B., YOL E.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.63, 2020 (SCI-Expanded)
- XIX. **Genetic diversity and population structure of the Mediterranean sesame core collection with use of genome-wide SNPs developed by double digest RAD-Seq**  
Başak M., UZUN B., YOL E.  
PLOS ONE, vol.14, no.10, 2019 (SCI-Expanded)
- XX. **Molecular and morphological evidence for resistance to sugarcane aphid (Melanaphis sacchari) in sweet sorghum [Sorghum bicolor (L.) Moench]**  
GÜDEN B., YOL E., İKTEN C., Erdurmus C., UZUN B.  
3 BIOTECH, vol.9, no.6, 2019 (SCI-Expanded)
- XXI. **Inheritance of Indehiscent Capsule Character, Heritability and Genetic Advance Analyses in the Segregation Generations of Dehiscent x Indehiscent Capsules in Sesame**  
YOL E., UZUN B.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.25, no.1, pp.79-85, 2019 (SCI-Expanded)
- XXII. **Influences of genotype and location interactions on oil, fatty acids and agronomical properties of groundnuts**  
YOL E., UZUN B.  
GRASAS Y ACEITES, vol.69, no.4, 2018 (SCI-Expanded)
- XXIII. **AGRONOMIC AND QUALITY PERFORMANCES OF THE SELECTED SESAME BREEDING LINES**  
Yol E.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.6, pp.4367-4372, 2018 (SCI-Expanded)
- XXIV. **Characterization of groundnut (Arachis hypogaea L.) collection using quantitative and qualitative traits in the Mediterranean Basin**  
YOL E., Furat S., Upadhyaya H. D., UZUN B.  
JOURNAL OF INTEGRATIVE AGRICULTURE, vol.17, no.1, pp.63-75, 2018 (SCI-Expanded)
- XXV. **Registration of 'Uzun' Sesame**  
YOL E., Furat S., UZUN B.  
JOURNAL OF PLANT REGISTRATIONS, vol.11, no.3, pp.245-249, 2017 (SCI-Expanded)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **INHERITANCE OF LONG AND DENSE CAPSULE CHARACTERISTICS IN SESAME**  
YOL E., TOKER C., UZUN B.  
TURKISH JOURNAL OF FIELD CROPS, vol.22, no.1, pp.8-13, 2017 (SCI-Expanded)
- XXIX. **Identification of rust resistance in groundnut using a validated SSR marker**  
YOL E., UPADHYAYA H. D., UZUN B.  
EUPHYTICA, vol.210, no.3, pp.405-411, 2016 (SCI-Expanded)
- XXX. **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)
- XXXI. **Oil Content and Fatty Acid Characteristics in Mediterranean Sesame Core Collection**  
YOL E., TOKER R., GÖLÜKÇÜ M., UZUN B.  
CROP SCIENCE, vol.55, no.5, pp.2177-2185, 2015 (SCI-Expanded)
- XXXII. **Molecular diagnosis to identify new sources of resistance to sclerotinia blight in groundnut (*Arachis hypogaea* L.)**  
YOL E., Upadhyaya H. D., UZUN B.  
EUPHYTICA, vol.203, no.2, pp.367-374, 2015 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **GENETIC CONTROL OF PURPLE PLANT COLOR IN SESAME**  
YOL E., Furat S., UZUN B.  
TURKISH JOURNAL OF FIELD CROPS, vol.18, no.2, pp.229-232, 2013 (SCI-Expanded)
- XXXVI. **Geographical Patterns of Sesame Accessions Grown Under Mediterranean Environmental Conditions, and Establishment of a Core Collection**  
YOL E., Uzun B.  
CROP SCIENCE, vol.52, no.5, pp.2206-2214, 2012 (SCI-Expanded)
- XXXVII. **THE INFLUENCE OF ROW AND INTRA-ROW SPACING TO SEED YIELD AND ITS COMPONENTS OF WINTER SOWING CANOLA IN THE TRUE MEDITERRANEAN TYPE ENVIRONMENT**  
UZUN B., YOL E., FURAT S.  
BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE, vol.18, no.1, pp.83-91, 2012 (SCI-Expanded)
- XXXVIII. **The effects of different tillage methods on the post-wheat second crop sesame: seed yield, energy budget, and economic return**  
UZUN B., YOL E., Furat S., TOPAKCI M., ÇANAKCI M., KARAYEL D.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.36, no.4, pp.399-407, 2012 (SCI-Expanded)
- XXXIX. **Inheritance of number of capsules per leaf axil and hairiness on stem, leaf and capsule of sesame (*Sesamum indicum* L.)**  
YOL E., UZUN B.  
AUSTRALIAN JOURNAL OF CROP SCIENCE, vol.5, no.1, pp.78-81, 2011 (SCI-Expanded)
- XL. **Assessment of selection criteria in sesame by using correlation coefficients, path and factor analyses**  
YOL E., Karaman E., Furat S., UZUN B.  
AUSTRALIAN JOURNAL OF CROP SCIENCE, vol.4, no.8, pp.598-602, 2010 (SCI-Expanded)

- XLI. **Changes in Total Antioxidant Capacity of Sesame (*Sesamum sp.*) by Variety**  
ERBAŞ M., SEKERCİ H., GÜL S., FURAT S., YOL E., UZUN B.  
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.7, pp.5549-5555, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Some Free Amino Acid Contents in the Seeds from Mutant Grass Pea Genotypes**  
Arslan M., Gökkaya T. H., Doğan Çetin E., Er kaymaz T., Yol E.  
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.9, no.4, pp.885-891, 2022 (Peer-Reviewed Journal)
- II. **SSR marker analysis of plant height in sweet sorghum [*Sorghum bicolor* (L.) Moench]**  
GÜDEN B., YOL E., Erdurmuş C., UZUN B.  
MEDITERRANEAN AGRICULTURAL SCIENCES, vol.33, no.3, pp.405-410, 2020 (Peer-Reviewed Journal)
- III. **Influence of salinity and drought stresses on seed germination and seedling growth characteristics in sesame (*Sesamum indicum* L.)**  
KIZIL S., YOL E.  
MEDITERRANEAN AGRICULTURAL SCIENCES, no.31, pp.155-160, 2018 (Peer-Reviewed Journal)
- IV. **Genetic advance heritability and inheritance in determinate growth habit of sesame**  
UZUN B., YOL E., Furat Ş.  
Australian Journal of Crop Science, vol.7, pp.978-983, 2013 (Scopus)
- V. **Frequency distribution of sesame phyllody disease associated with phytoplasmas in Antalya province of Turkey**  
İKTE N C., YOL E., ÇATAL M., UZUN B.  
Phytopathogenic Mollicutes, no.1, pp.101-102, 2011 (Scopus)

## Books & Book Chapters

- I. **Traits for Phenotyping**  
YOL E., TOKER C., UZUN B.  
in: Phenomics in Crop Plants: Trends, Options and Limitations, . J. Kumar, A. Pratap, S. Kumar, Editor, Springer-Verlag , Heidelberg, pp.11-26, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Batı akdeniz iklim kuşağında Yürütülen yağ bitkileri ıslah çalışmaları ve yeni perspektifler**  
YOL E., ÜSTÜN R., GÜDEN B., Güçlü V., Başak M., Kızıl S., UZUN B.  
Bitki Islahı ve Genetiği Öğrenci kongresi, Niğde, Turkey, 2 - 03 May 2019, pp.11
- II. **Yağ Bitkilerinde Yüksek oleik Asit içeriğine sahip yeni çeşitlerin Geliştirilmesi ve Bitkisel yağ sanayisine Etkileri**  
UZUN B., YOL E., ÜSTÜN R., GÜDEN B.  
YABİTED IV Ulusal yağ bitkileri kongresi, İstanbul, Turkey, 18 - 19 April 2019, pp.10
- III. **Increasing Number of Fragments for Genotyping-by-Sequencing with Different Restriction Enzymes: A Case Study in Sorghum**  
YOL E.  
International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.98
- IV. **Integration of Molecular Tools to Oil and Energy Crops Breeding: Case Studies in Groundnut, Sesame, Soybean and Sweet Sorghum**  
UZUN B., YOL E., ÜSTÜN R., GÜDEN B.

INTERNATIONAL CONGRESS ON OIL AND PROTEIN CROPS, Kişinev, Moldova, 20 - 24 May 2018, pp.94

- V. **Selection of restriction-enzyme for optimum genome reduction in groundnut**  
YOL E.  
International Congress on Oil and Protein Crops, Kişinev, Moldova, 20 - 24 May 2018, pp.113
- VI. **Monitoring of stem rot resistance in groundnut genotypes under artificial inoculation of *Sclerotium rolfsii***  
GÜÇLÜ V., Aydoğdu M., UZUN B., YOL E.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.273
- VII. **Yağ ve Enerji Bitkilerinde Moleküler Bitki Islahı ve Uygulamaları**  
UZUN B., YOL E., ÜSTÜN R., GÜDEN B.  
Bitki Islahı ve Genetiği Öğrenci kongresi, Niğde, Turkey, 25 - 26 April 2018, pp.13
- VIII. **The effects of colchicine treatments on germination rate of sesame seeds. 3rd International Plant Breeding Congress**  
KIZIL S., Başak M., GÜÇLÜ V., UZUN B., YOL E.  
3rd International Plant Breeding Congress, Girne, Cyprus (Kktc), 15 - 19 October 2017, pp.77
- IX. **Detection of *Fusarium* spp. causing fusarium root rot on groundnut in Turkey**  
GÜÇLÜ V., ÇAT A., ÇATAL M., Başak M., KIZIL S., UZUN B., YOL E.  
3rd International Plant Breeding Congress, Girne, Cyprus (Kktc), 15 - 19 October 2017, pp.78
- X. **Çok Yönlü Islah İle Yerfıstığında Elit Hatların Seleksiyonu**  
YOL E., UZUN B.  
12.Tarla Bitkileri Kongresi, Kahramanmaraş, Turkey, 12 - 15 September 2017, pp.426
- XI. **Susamda phyllody fitoplazmalarına dayanıklı hat seleksiyonu ve real time qPCR validasyonu**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C., ÇATAL M.  
12.Tarla Bitkileri Kongresi, Kahramanmaraş, Turkey, 12 - 15 September 2017, pp.429
- XII. **Molecular detection and characterization of 16Sr-VI group phytoplasma associated with sesame phyllody disease in southern Turkey**  
UZUN B., Polat M., YOL E., İKTEN C.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- XIII. **Development of a core collection for the Mediterranean groundnut collection**  
YOL E., UZUN B.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.11
- XIV. **Exploitation of groundnut and sesame collections in southern Turkey**  
YOL E.  
The International Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 3 - 05 April 2017, pp.95
- XV. **Breeding pipeline for resistance to phyllody phytoplasmas in sesame**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C.  
20th EUCARPIA General Congress, Zürih, Switzerland, 29 August - 01 September 2016, pp.70
- XVI. **Flowering time diversity for U.S. groundnut mini-core collection produced under Mediterranean climate type**  
YOL E., UZUN B.  
20th EUCARPIA General Congress, Zürih, Switzerland, 29 August - 01 September 2016, pp.277
- XVII. **Breeding pipeline for resistance to phyllody phytoplasmas in sesame**  
UZUN B., YOL E., ÜSTÜN R., İKTEN C.  
20th EUCARPIA General Congress, Zürih, Switzerland, 29 August - 01 September 2016, pp.70
- XVIII. **Molecular breeding for introgression of nematode resistance gene in groundnut (*Arachis hypogaea* L.)**  
Uzun B., Yol E.  
European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231
- XIX. **Identification of chlorophyll content in soybean (*Glycine max* (L.) merrill) by using soil plant analytical development (Spad)-502 meter**

- POLAT M., ÜSTÜN R., GÜDEN B., YOL E., UZUN B.  
II. International Plant Breeding Congress and EUCARPIA – Oil And Protein Crops Section Conference, Antalya, Turkey, 1 - 06 November 2015, pp.220
- XX. **Validation of field resistance to late leaf spot by using a molecular marker in groundnut**  
YOL E., Upadhyaya H. D., UZUN B.  
II. International Plant Breeding Congress and EUCARPIA – Oil And Protein Crops Section Conference, Antalya, Turkey, 1 - 06 November 2015, pp.149
- XXI. **Marker screening for resistance to sorghum aphid (*Melanaphis sacchari* (Zehntner)) in sorghum (*Sorghum bicolor* ((L.) Moench)**  
GÜDEN B., YOL E., İKTEN C., Erdurmuş C., UZUN B.  
XXIIIrd EUCARPIA Maize and Sorghum Conference, Montpellier, France, 10 - 12 June 2015, pp.80
- XXII. **Variability in groundnut for oil content and fatty acid composition**  
ÜSTÜN R., YOL E., TOKER R., GÖLÜKÇÜ M., UZUN B.  
Eucarpia International Symposium on Protein Crops - V Meeting AEL, Pontevedra, Spain, 4 - 07 May 2015, pp.175
- XXIII. **Molecular breeding for resistance to foliar diseases in groundnut (*Arachis hypogaea* L.)**  
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- XXIV. **Marker-assisted screening for resistance to biotic stresses in groundnut**  
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- XXV. **Molecular marker assisted selection for resistance to sclerotinia blight in groundnut (*Arachis hypogaea* L.)**  
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- XXVI. **Evaluation of a sorghum germplasm for plant height characteristic by using molecular markers**  
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- XXVII. **Future challenge to identification of drought tolerance and resistance High-throughput plant phenotyping**  
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- XXX. **Advances in the meolecular detection of the sesame phytoplasmas and resistance to sesame phyllody in Turkey**  
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- XXXI. **Past, present and future of DNA-based studies for sesame crop improvement**  
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- XXXII. **Molecular diagnosis of peanut witches'-broom group (16SrII) phytoplasma infecting sesame in Turkey**  
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- XXXIII. **Sensitive detection of sesame phytoplasmas of 16SrII and 16SrIX groups in its plant and insect host using real-time PCR**  
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- XXXV. **Development of core set in sesame using principal component score strategy**  
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- XL. **Frequency distribution of sesame phyllody infected by phytoplasmas in Antalya, Turkey**  
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- XLIII. **Disease Resistance Some Wild Species in Genus: *Arachis***  
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## Supported Projects

- ÖZSAN KILIÇ T., ONUS A. N., YOL E., Project Supported by Higher Education Institutions, Çok Yönlü İslah Yaklaşımları ile Bamyada *Abelmoschus esculentus* L Elit Genotiplerin Seleksiyonu ve Sürdürülebilir Çeşit Geliştirme Programının Oluşturulması, 2022 - Continues
- Turhan İ., Yol E., Çancı H., EU Supported Other Project, Resilient Mediterranean with a holistic approach to sustainable agriculture: Addressing challenges of water, soil, energy and biodiversity, 2022 - 2025
- Yol E., Fidan H., TUBITAK Project, Biber ıslahında kullanılmak üzere moleküler markerlerin geliştirilmesi, 2022 - 2024
- YOL E., ÇAĞLAYAN N., Karaman K., Project Supported by Higher Education Institutions, Hızlı generasyon atlatılmasına izin veren LED teknolojisinin susam ve soya bitkilerinin ıslah sürecine entegre edilmesi, 2021 - 2024
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- YOL E., GULTEN H. T., Project Supported by Higher Education Institutions, Yerfıstığında (*Arachis hypogaea* L.) yüksek verim ve oleik asit içeriğine sahip hatların seleksiyonu, 2021 - 2022
- ARSLAN M., TÜRK M., YOL E., Project Supported by Higher Education Institutions, Yüksek Verim ve Düşük B-ODAP için Mürdümük Koleksiyonunda Seleksiyon, 2020 - 2022
- Uzun B., Yol E., TUBITAK Project, Şeker sorgumunda biyoenerji ile ilişkili yüksek şeker, bitki özsuğu ve bitki boyu karakterlerinin GBS kullanılarak haritalanması ve biyoenerji üretimine uygun hat ıslahı, 2018 - 2022
- YOL E., Project Supported by Higher Education Institutions, ICRISAT YERFISTIĞI KOLEKSİYONUNDA AGRO-MORFOLOJİK KARAKTERİZASYON, 2019 - 2021
- YOL E., TUBITAK Project, Susamda Kapsül Çatlatma Karakterine Etki Eden Genin Belirlenmesi, Haritalanması ve Karaktere Özgü Markörlerin Geliştirilmesi, 2018 - 2020
- YOL E., UZUN B., Başak M., Project Supported by Higher Education Institutions, Akdeniz Susam Kor Koleksiyonunda Genetik Çeşitliliğinin ve Popülasyon Yapısının GBS ile Belirlenmesi, 2018 - 2019
- YOL E., KARAMAN K., Project Supported by Higher Education Institutions, Yerfıstığında Mutagen Uygulaması ile AgroMorfolojik Varyasyonun Oluşturulması ve TILLING Metodu Kullanılarak Yağ Asidi Sentezi ve Alerjeniteden Sorumlu Genlerdeki Tek Baz Değişikliklerinin Belirlenmesi, 2017 - 2019
- YOL E., Güçlü V., Project Supported by Higher Education Institutions, YERFISTIĞI (*Arachis hypogaea* L.) KOLEKSİYONUNDA SAP ÇÜRÜKLÜĞÜNE (etmen: *Sclerotium rolfsii*) DAYANIKLI GENOTİPLERİN BELİRLENMESİ VE MOLEKÜLER MARKER İLE VALİDASYONU, 2017 - 2019
- UZUN B., YOL E., Project Supported by Higher Education Institutions, Yerfıstığı (*Arachis hypogaea* L.) germplasmında bazı hastalık ve zararlılara dayanıklılık genlerinin moleküler markerlerle belirlenmesi ve moleküler ıslah yardımıyla ileri hat ve çeşitlere aktarılması, 2014 - 2016
- TUBITAK Project, Susamda Genetik Çesitliliğın Agro-Morfolojik Karakterler Kullanılarak Belirlenmesi, 2008 - 2009

## Patent

- YOL E., 'Uzun' Susam Çeşidi, Patent, CHAPTER A Human Needs, 2017

## Activities in Scientific Journals

- BMC Genomics Data, Committee Member, 2021 - Continues

Frontiers in Plant Science, Special Issue Editor, 2022 - 2022

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

Eucarpia, Member, 2015 - Continues

American Peanut Research and Education Society, Member, 2014 - Continues

## **Scientific Refereeing**

JOURNAL OF PLANT PATHOLOGY, SCI Journal, October 2021

PLANT DISEASE, SCI Journal, October 2021

Turkish Journal of Agriculture and Forestry, Journal Indexed in SSCI, August 2021

Frontiers in Plant Science, SCI Journal, July 2021

Turkish Journal of Field Crops, Journal Indexed in SSCI, June 2021

BMC Plant Biology, SCI Journal, May 2021

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Molecular Breeding, SCI Journal, November 2020

Turkish Journal of Biology, SCI Journal, April 2019

Euphytica, SCI Journal, September 2017

Journal of Plant Biotechnology, SCI Journal, September 2016

Archives of Agronomy and Soil Science , SCI Journal, April 2016

## **Metrics**

Publication: 97

Citation (WoS): 216

Citation (Scopus): 295

H-Index (WoS): 8

H-Index (Scopus): 10

## **Congress and Symposium Activities**

II. Bitki Islahı ve Genetiği Öğrenci Kongresi, Invited Speaker, Niğde, Turkey, 2019

Uluslararası Katılımlı Türkiye 6. Tohumculuk Kongresi, Attendee, Niğde, Turkey, 2018

International Congress on Oil and Protein Crops, Attendee, Chisinau, Moldova, 2018

International Agricultural Congress, Attendee, Van, Turkey, 2018

3rd International Plant Breeding Congress, Attendee, Girne, Cyprus (Kktc), 2017

12. Tarla Bitkileri Kongresi, Attendee, Kahramanmaraş, Turkey, 2017

International Conference on Agriculture, Forest, Food Sciences and Technologies, Attendee, Nevşehir, Turkey, 2017

The International Symposium on Biodiversity and Edible Wild Species, Attendee, Antalya, Turkey, 2017

EUCARPIA Genel Kongresi, Attendee, Zürich, Switzerland, 2016

II. International Plant Breeding Congress and EUCARPIA – Oil And Protein Crops Section Conference, Attendee, Antalya, Turkey, 2015

Uluslararası Protein Bitkileri Kongresi, Attendee, Pontevedra, Spain, 2015

Avrupa Biyoteknoloji Kongresi, Attendee, Lecce, Italy, 2014

International Plant Breeding Congress, Attendee, Antalya, Turkey, 2013

Emerging Phytoplasma Diseases of Stone Fruits and Other Crops and Their Possible Impact On Eu Countries, Attendee, Lizbon, Portugal, 2013  
I. Ulusal Ali Numan Kırac Tarım Kongresi ve Fuarı, Attendee, Eskişehir, Turkey, 2011  
Legumes for Global Health, Legume Crops and Products for Food, Feed and Environmental Benefits, Attendee, Antalya, Turkey, 2010  
Türkiye VIII. Tarla Bitkileri Kongresi, Attendee, Hatay, Turkey, 2009