

Prof. EMRE YÖRÜK

Personal Information

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International Researcher IDs

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ScopusID: 54786023600

Yoksis Researcher ID: 233821

Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Turkey 2009 - 2014

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Turkey 2006 - 2009

Undergraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 2002 - 2006

Foreign Languages

English

Dissertations

Doctorate, Fusarium türlerinde trikotesen üretiminin durdurulması, Istanbul University, Institute Of Graduate Studies In Sciences, 2014

Postgraduate, Fusarium graminearum ve Fusarium culmorum izolatlarının RAPD markırlarına dayalı genetik tiplendirmesi, Istanbul University, Institute Of Graduate Studies In Sciences, 2009

Research Areas

Molecular Biology and Genetics

Academic Titles / Tasks

Professor, Istanbul Yeni Yuzyil University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2024 - Continues

Associate Professor, Istanbul Yeni Yuzyil University, 2019 - Continues

Istanbul Yeni Yuzyil University, 2015 - 2019

Academic and Administrative Experience

Istanbul Yeni Yuzyil University, 2015 - Continues

Istanbul Yeni Yuzyil University, 2015 - Continues

Courses

Enzimoloji, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2017-2018, 2016-2017, 2015-2016

Ekoloji, Undergraduate, 2023-2024, 2022-2023, 2017-2018, 2016-2017, 2015-2016

Genel Biyoloji I, Undergraduate, 2023-2024, 2022-2023, 2018-2019

Bilimsel Yazım ve Sunum Teknikleri, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2017-2018, 2016-2017, 2015-2016

Bitki Doku Kültürü, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2018-2019, 2016-2017, 2015-2016

Biyoinformatik, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2017-2018, 2016-2017, 2015-2016

Laboratuvar Güvenliği ve Akreditasyon, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020

Genetik Mühendisliği, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018

Araştırma Projesi, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2017-2018, 2016-2017, 2015-2016

Populasyon Genetiği, Undergraduate, 2021-2022, 2020-2021, 2019-2020, 2016-2017, 2015-2016

Bitki Moleküler Biyolojisi ve Genetiği, Undergraduate, 2020-2021, 2019-2020, 2017-2018, 2016-2017, 2015-2016

Genomik, Undergraduate, 2018-2019, 2017-2018, 2016-2017, 2015-2016

Moleküler Genetik II, Undergraduate, 2018-2019

Moleküler Biyolojide Kullanılan Yöntemler II, Undergraduate, 2017-2018

Laboratuvar Güvenliği ve Akreditasyonu, Undergraduate, 2017-2018, 2016-2017, 2015-2016

Proteomik, Undergraduate, 2016-2017, 2015-2016

Advising Theses

YÖRÜK E., İnsanda bulaşıcı hastalıkların küresel dağılımına biyoinformatik bir yaklaşım, Postgraduate, A.NOVRUZLU(Student), 2024

YÖRÜK E., Linalool'ün Fusarium graminearum'daki Etkilerinin Hücresel Gösterimi, Postgraduate, B.Nur(Student), 2021

YÖRÜK E., Bacillus megaterium'un fusarium türlerinde antagonistik etkisinin incelenmesi, Postgraduate, E.NUR(Student), 2021

YÖRÜK E., Tebukonazolün Fusarium referans suşları üzerindeki etkisinin hücresel ve moleküler gösterimi, Postgraduate, Ö.SEFER(Student), 2021

YÖRÜK E., Linalool'ün Fusarium graminearum'daki etkilerinin hücresel gösterimi, Postgraduate, B.NUR(Student), 2021

YÖRÜK E., 3ADON KEMOTİPİNDEKİ FUSARIUM İZOLATLARININ HEDEFLİ GENOTİP ANALİZİ, Postgraduate, V.GÜLİN(Student), 2020

YÖRÜK E., 3-ADON kemotipindeki fusarium izolatlarının hedefli genotip analizi, Postgraduate, G.İNCİ(Student), 2020

YÖRÜK E., Tuz Stresi Uygulanmış Arpa Bitkilerinde WRKY Transkripsiyon Faktörlerinin Ekspresyon Analizi, Postgraduate, G.Özge(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- Translation Elongation Factor 1-Alpha Sequencing Provides Reliable Tool for Identification of Fusarium graminearum Species Complex Members**
YÖRÜK E., Yli-Mattila T.

Diversity, vol.16, no.8, 2024 (SCI-Expanded)

- II. **Cumin Seed Oil Induces Oxidative Stress-Based Antifungal Activities on *Fusarium graminearum***
YÖRÜK E., Danışman Z., PEKMEZ M., Yli-Mattila T.
Pathogens, vol.13, no.5, 2024 (SCI-Expanded)
- III. **Trichoderma atroviride suppresses *Fusarium graminearum* by altering primary and secondary metabolite biosynthesis profiling**
Özkale E., YÖRÜK E., BUDAK M., KORKMAZ E. M.
Plant Pathology, vol.72, no.8, pp.1428-1441, 2023 (SCI-Expanded)
- IV. **Investigation of antifungal activities of myrcene on *Fusarium* reference strains**
ALBAYRAK G., YÖRÜK E., Teker T., Sefer Ö.
Archives of Microbiology, vol.205, no.3, 2023 (SCI-Expanded)
- V. **Molecular Analysis of the Genes Responsible for Catalysing Intracellular Steps of Aurofusarin Biosynthesis in *Fusarium culmorum***
Gazdağlı A., YILDIRIM BAŞTEMUR G., YÖRÜK E., Özkorucuklu S. P., ALBAYRAK G.
Brazilian Archives of Biology and Technology, vol.66, 2023 (SCI-Expanded)
- VI. **Rutin hydrate induces autophagic cell death and oxidative stress response in phytopathogenic fungus *Fusarium graminearum***
YÖRÜK E.
Zemdirbyste, vol.110, no.4, pp.375-382, 2023 (SCI-Expanded)
- VII. **Risk Assessment of Tetraconazole Fungicide at the Molecular Level in *Hordeum vulgare* L.**
Tufan Dülger A. F., YÖRÜK E.
Biology Bulletin, vol.49, no.4, pp.292-298, 2022 (SCI-Expanded)
- VIII. **Trichoderma atroviride triggers alterations at epigenetics, transcripts, oxidative stress, and apoptosis levels on *Fusarium graminearum***
YÖRÜK E., Özkale E., Sefer Ö., Özsoy E.
Journal of Plant Pathology, vol.104, no.3, pp.1039-1047, 2022 (SCI-Expanded)
- IX. **α -Thujone exhibits an antifungal activity against *F. graminearum* by inducing oxidative stress, apoptosis, epigenetics alterations and reduced toxin synthesis**
Teker T., Sefer Ö., Gazdağlı A., YÖRÜK E., VAROL G. İ., ALBAYRAK G.
European Journal of Plant Pathology, vol.160, no.3, pp.611-622, 2021 (SCI-Expanded)
- X. **The effects of polycyclic aromatic hydrocarbon compounds on antioxidant enzyme activities in *Mytilus galloprovincialis* Lamarck, 1819 from Istanbul Strait**
ALBAYRAK S., ALBAYRAK G., Çelikkol M. T., Gazdağlı A., YÖRÜK E., ÇAĞLAR S.
Marine Pollution Bulletin, vol.149, 2019 (SCI-Expanded)
- XI. **The roles of hormones in the modulation of growth and virulence genes' expressions in UPEC strains**
Gümüş D., Kalaycı Yüksek F., Sefer Ö., YÖRÜK E., Uz G., Anđ Küçükler M.
Microbial Pathogenesis, vol.132, pp.319-324, 2019 (SCI-Expanded)
- XII. **SiRNA quelling of tri4 and tri5 genes related to deoxynivalenol synthesis in *Fusarium graminearum* and *Fusarium culmorum***
YÖRÜK E., ALBAYRAK G.
Journal of Environmental Biology, vol.40, no.3, pp.370-376, 2019 (SCI-Expanded)
- XIII. **Investigation of camphor effects on *fusarium graminearum* and *F. culmorum* at different molecular levels**
Gazdağlı A., Sefer Ö., YÖRÜK E., VAROL G. İ., Teker T., ALBAYRAK G.
Pathogens, vol.7, no.4, 2018 (SCI-Expanded)
- XIV. **Salinity and drought stress on barley and wheat cultivars planted in Turkey**
YÖRÜK E., Keleş E., Sefer Ö., Eraslan M.
Journal of Environmental Biology, vol.39, no.6, pp.943-950, 2018 (SCI-Expanded)
- XV. **Thiophanate methyl susceptibility and alterations in tri5, Mgv1 and StuA expression among *Fusarium graminearum* and *F. culmorum* isolates**

- YÖRÜK E., Sefer Ö., Tunali B., Kansu B., Sharifnabi B., Yli-Mattila T.
Journal of Plant Pathology, vol.100, no.3, pp.447-455, 2018 (SCI-Expanded)
- XVI. **Alterations of growth rate and gene expression levels of UPEC by antibiotics at sub-MIC**
GÜMÜŞ D., KALAYCI YÜKSEK F., YÖRÜK E., UZ G., Çelik E., Arslan C., Aydın E. M., Canlı C., Anđ-Kker M.
Folia Microbiologica, vol.63, no.4, pp.451-457, 2018 (SCI-Expanded)
- XVII. **Tetraconazole leads to alterations in fusarium graminearum at different molecular levels**
YÖRÜK E.
Applied Ecology and Environmental Research, vol.16, no.5, pp.6155-6167, 2018 (SCI-Expanded)
- XVIII. **The effects of insulin and glucose on different characteristics of a UPEC: Alterations in growth rate and expression levels of some virulence genes**
GÜMÜŞ D., YÖRÜK E., KALAYCI YÜKSEK F., UZ G., TOPAL SARIKAYA A., Ang-Kucuker M.
Clinical Laboratory, vol.63, no.10, pp.1589-1597, 2017 (SCI-Expanded)
- XIX. **Comparison of expression patterns of selected drought-responsive genes in barley (*Hordeum vulgare* L.) under shock-dehydration and slow drought treatments**
Gürel F., Öztürk N. Z., YÖRÜK E., UÇARLI C., Poyraz N.
Plant Growth Regulation, vol.80, no.2, pp.183-193, 2016 (SCI-Expanded)
- XX. **Characterization of high-level deoxynivalenol producer *Fusarium graminearum* and *F. Culmorum* isolates caused head blight and crown rot diseases in Turkey**
YÖRÜK E., Tunali B., Kansu B., Ölmez F., UZ G., Zümrüt I. M., Sarıkaya A., Meyva G.
Journal of Plant Diseases and Protection, vol.123, no.4, pp.177-186, 2016 (SCI-Expanded)
- XXI. **Genetic diversity among *Fusarium graminearum* and *F. culmorum* isolates based on ISSR markers**
ALBAYRAK G., YÖRÜK E., Gazdađli A., Sharifnabi B.
Archives of Biological Sciences, vol.68, no.2, pp.333-343, 2016 (SCI-Expanded)
- XXII. **Characterization of *Micrococcus luteus* and *Bacillus marisflavi* recovered from common dentex (*Dentex dentex*) larviculture system**
AKAYLI T., ALBAYRAK G., ÜRKÜ ATANASOV Ç., ÇANAK Ö., YÖRÜK E.
Mediterranean Marine Science, vol.17, no.1, pp.163-169, 2016 (SCI-Expanded)
- XXIII. **Expression analysis of PKS13, FG08079.1 and PKS10 genes in *fusarium graminearum* and *fusarium culmorum***
YÖRÜK E., Karlık E., Gazdagli A., Kayis M., Kaya F., ALBAYRAK G.
Iranian Journal of Biotechnology, vol.13, no.2, pp.53-57, 2015 (SCI-Expanded)
- XXIV. **Geneticin (G418) resistance and electroporation-mediated transformation of *fusarium graminearum* and *F. culmorum***
YÖRÜK E., Albayrakblar G.
Biotechnology and Biotechnological Equipment, vol.29, no.2, pp.268-273, 2015 (SCI-Expanded)
- XXV. **Tri4 and tri5 gene expression analysis in *Fusarium graminearum* and *F. culmorum* isolates by qPCR**
YÖRÜK E., ALBAYRAK G.
PLANT PATHOLOGY JOURNAL, vol.13, no.2, pp.133-138, 2014 (SCI-Expanded)
- XXVI. **Characterization of GNRH, ILGFRI and AR genes in sturgeon's genomics**
ALBAYRAK G., Ünal Şengör G. F., YÖRÜK E.
Israeli Journal of Aquaculture - Bamidgeh, vol.66, 2014 (SCI-Expanded)
- XXVII. **Class B trichothecene chemotyping in *Fusarium* species by PCR assay**
YÖRÜK E., Gazdađli A., ALBAYRAK G.
Genetika, vol.46, no.3, pp.661-669, 2014 (SCI-Expanded)
- XXVIII. **Genetic characterization of *Fusarium graminearum* and *F. culmorum* isolates from Turkey by using random-amplified polymorphic DNA**
YÖRÜK E., ALBAYRAK G.
Genetics and Molecular Research, vol.12, no.2, pp.1360-1372, 2013 (SCI-Expanded)
- XXIX. **Chemotyping of *Fusarium graminearum* and *F. culmorum* Isolates from Turkey by PCR Assay**
YÖRÜK E., ALBAYRAK G.
Mycopathologia, vol.173, no.1, pp.53-61, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Physiological, genetic and transcriptional characterization of *Fusarium graminearum* isolates**
Teker T., Khalid S. A., YÖRÜK E., ALBAYRAK G.
Sigma Journal of Engineering and Natural Sciences, vol.42, no.2, pp.450-458, 2024 (ESCI)
- II. **Investigation of the Antifungal Activity of *Bacillus megaterium* Against *Fusarium* Species**
KELEŞ E. N., TUFAN DÜLGER A. F., YÖRÜK E.
ERCIŞ (VAN) İLÇESİ İÇME SULARININ SU KALİTESİ ÖZELLİKLERİ, vol.33, no.2, pp.183-191, 2023 (Scopus)
- III. **Determining the biocontrol capacities of *Trichoderma* spp. originating from Turkey on *Fusarium culmorum* by transcriptional and antagonistic analyses**
Sefer Ö., Özsoy E., YÖRÜK E., Özkale E.
Frontiers in Fungal Biology, vol.4, 2023 (Scopus)
- IV. **Investigation of the antifungal activity of lichen (*Usnea longissima*) extracts against *Fusarium graminearum***
Taghiyeva A., Dülger A. F. T., YÖRÜK E., ENGİN T. A.
Anatolian Journal of Botany, vol.6, no.2, pp.104-108, 2022 (Peer-Reviewed Journal)
- V. **TERPINOLENE IS AN EFFECTIVE ESSENTIAL OIL COMPOUND TO PROTECT *Hordeum vulgare* L. FROM *Fusarium avenaceum***
DANIŞMAN Z., İNAN Ş., ÖZSOY E., YÖRÜK E., YLIMATILTA T.
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.23, no.1, pp.71-79, 2022 (Peer-Reviewed Journal)
- VI. **Identification of *Fusarium graminearum* and *Fusarium culmorum* Isolates via Conventional and Molecular Methods**
Yuksektepe B., Sefer Ö., VAROL G. İ., Teker T., ARSLAN M., ALPAR B. İ., MERT F., YÖRÜK E., ALBAYRAK G.
European Journal of Biology, vol.81, no.1, pp.107-116, 2022 (Scopus)
- VII. **Physiological and Genetic Variation of *Hordeum vulgare* L. and *Triticum aestivum* L. Lines Planted in Turkey**
YÖRÜK E., KELEŞ E. N., ERLİK S., YILDIZ S., ÖZSOY E., KOCABAŞ G.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.4, pp.2498-2505, 2021 (Peer-Reviewed Journal)
- VIII. **Urine Influences Growth and Virulence Gene Expressions in Uropathogenic *E. coli*: A Comparison with Nutrient Limited Medium**
KALAYCI YÜKSEK F., GÜMÜŞ D., UZ G., SEFER Ö., YÖRÜK E., KÜÇÜKER A. M.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.11, no.2, pp.209-214, 2021 (ESCI)
- IX. **Do Norepinephrine and Estradiol Affect the Growth of *Escherichia coli* and Expressions of Mar Genes?**
Gümüş D., Yüksek F. K., Sefer Ö., Yörük E., Uz G., Küçüker M. A.
EXPERIMED, vol.11, no.3, pp.200-206, 2021 (Scopus)
- X. **Do Norepinephrine and Estradiol Affect the Growth of *Escherichia coli* and Expressions of Mar Genes? Norepinefrin ve Östradiol *Escherichia coli*'nin Üremesini ve Mar Genlerinin Ekspresyonunu Etkiler mi?**
GÜMÜŞ D., KALAYCI YÜKSEK F., Sefer Ö., YÖRÜK E., UZ G., Anğ Küçüker M.
Experimed, vol.11, no.3, pp.200-206, 2021 (Scopus)
- XI. **Determining WRKY transcription factors related to salinity stress response in wheat (*Triticum aestivum* L.) and barley (*Hordeum vulgare* L.)**
TUFAN DÜLGER A. F., KELEŞ E. N., SEFER Ö., ERASLAN M., SEFALI S., YÖRÜK E.
Anadolu Tarım Bilimleri Dergisi, vol.35, no.1, pp.1-7, 2020 (Peer-Reviewed Journal)
- XII. **First Report on Identification of *Fusarium graminearum* Species Complex Members from Turkey and Iran**
TUNALI B., YÖRÜK E., SEFER Ö., KANSU B., Sharifnabi B.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.7, pp.1040-1045, 2019 (Peer-Reviewed Journal)
- XIII. **First Report on Identification of *Fusarium graminearum* Species Complex Members from Turkey and**

Iran

TUNALI B., YÖRÜK E., SEFER Ö., KANSU B., SHARIFNABI B.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.7, 2019 (Peer-Reviewed Journal)

- XIV. **FcMgv1, FcStuA AND FcVeA BASED GENETIC CHARACTERIZATION IN *Fusarium culmorum* (W.G. Smith)**
YÖRÜK E., SEFER Ö.
Trakya University Journal of Natural Sciences, vol.19, no.1, pp.63-69, 2018 (Peer-Reviewed Journal)
- XV. **Investigation of the Effects of Eugenol on *Fusarium culmorum***
YÖRÜK E., SEFER Ö., SEZER A. S., KONUKÇU Z., DEVELİ E. S.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.2, pp.215-221, 2018 (Peer-Reviewed Journal)
- XVI. **Investigation of the Effects of Eugenol on *Fusarium culmorum***
YÖRÜK E., SEFER Ö., SEZER A. S., KONUKÇU Z., DEVELİ E. S.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.2, pp.215-221, 2018 (Peer-Reviewed Journal)
- XVII. **Eugenol'ün *Fusarium culmorum* Üzerindeki Etkilerinin İncelenmesi**
YÖRÜK E., SEFER Ö., Sezer A. S., Develi E. S., Konukcu Z.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2018 (Peer-Reviewed Journal)
- XVIII. ***Fusarium graminearum* Tür Kompleksi Üyelerinin Tanımlanmasında Çoklu Lokus Genotiplendirme Analizleri**
SEFER Ö., YÖRÜK E.
ELEKTRONİK MİKROBİYOLOJİ DERGİSİ TR, vol.15, no.2, pp.14-25, 2017 (Peer-Reviewed Journal)
- XIX. **Genotyping via Sequence Related Amplified Polymorphism Markers in *Fusarium culmorum***
ZÜMRÜT I. M., TUNALI B., KANSU B., UZ G., YÖRÜK E., ÖLMEZ F., SARIKAYA A.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.6, no.2, pp.145-149, 2017 (Peer-Reviewed Journal)
- XX. **Effects of Growth Conditions on tri4 Gene Expression in *Fusarium culmorum***
YÖRÜK E., GAZDAĞLI A., ALBAYRAK G.
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi, vol.34, no.2, pp.91-97, 2017 (Peer-Reviewed Journal)
- XXI. **Kaempferol'ün Başak Yanıklığı Etmeni *Fusarium culmorum*'un Üremesi ve Toksin Üretimi Üzerine Olan Etkileri**
SEFER Ö., YÖRÜK E., DEVELİ E. S., ZÜMRÜT I. M., SEZER A. S., KONUKÇU Z.
Süleyman Demirel Üniversitesi Ziraat fakültesi Dergisi, vol.12, no.1, pp.24-33, 2017 (Peer-Reviewed Journal)
- XXII. **Effects of Kaempferol on Growth and Toxin Production of Head Blight Agent *Fusarium culmorum***
SEFER Ö., YÖRÜK E., DEVELİ E. S., ZÜMRÜT I. M., SEZER A. S., KONUKÇU Z.
Süleyman Demirel Üniversitesi Ziraat fakültesi Dergisi, vol.12, no.1, pp.24-33, 2017 (Peer-Reviewed Journal)
- XXIII. **2,4-Dimetilpirol'ün Başak Yanıklığı Hastalığı Etmeni *Fusarium culmorum*'un Üzerine Etkilerinin İncelenmesi**
SEFER Ö., YÖRÜK E., DEVELİ E. S., SEZER A. S., KONUKÇU Z.
INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, vol.4, no.2, pp.103-113, 2017 (Peer-Reviewed Journal)
- XXIV. **Investigation of the Effects of 2,4-Dimethylpyrrole on *Fusarium culmorum* Causal Agent of Head Blight Disease**
SEFER Ö., YÖRÜK E., DEVELİ E. S., SEZER A. S., KONUKÇU Z.
International Journal of Secondary Metabolite, vol.4, no.2, pp.103-113, 2017 (Peer-Reviewed Journal)
- XXV. **Tahıl Patojeni *Fusarium culmorum*'da Genetik Tiplendirme Yaklaşımları**
ZÜMRÜT I. M., DEVELİ E. S., SEFER Ö., YÖRÜK E.
ELEKTRONİK MİKROBİYOLOJİ DERGİSİ TR, vol.14, no.2, pp.1-16, 2016 (Peer-Reviewed Journal)
- XXVI. **DEOKSİNİVALENOL ÜRETİMİNDEKİ POTANSİYEL FARKLILIGIN ÇOKLU HİZALAMA ANALİZLERİ İLE İNCELENMESİ**
YÖRÜK E., UZ G.
ELEKTRONİK MİKROBİYOLOJİ DERGİSİ TR, vol.13, no.2, pp.9-17, 2015 (Peer-Reviewed Journal)
- XXVII. ***Hordeum vulgare* subsp. *spontaneum* in Turkey: characterization in a laboratory environment**
GÜREL A. F., UÇARLI C., YÖRÜK E., KARAGÖZ A.

CROP WILD RELATIVES, vol.10, pp.31-32, 2015 (Peer-Reviewed Journal)

XXVIII. **Biyoinformatik Araçların Fusarium graminearum Genomunda Kullanımı**

ALBAYRAK G., YÖRÜK E.

ELEKTRONİK MİKROBİYOLOJİ DERGİSİ TR, vol.11, no.1, pp.1-18, 2013 (Peer-Reviewed Journal)

XXIX. **Fusarium graminearum ve F. culmorum İzolatlarında Trikotesen Üretimiyle İlişkili tri5 ve tri3 Genlerinin ve Transkriptlerinin Analizi**

ALBAYRAK G., YÖRÜK E.

ELEKTRONİK MİKROBİYOLOJİ DERGİSİ TR, vol.10, no.1, pp.11-21, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

I. **MOLEKÜLER MİKROBİYOLOJİ UYGULAMALARI**

YÖRÜK E.

EFE AKADEMİ, İstanbul, 2021

II. **Class B-Trichothecene Profiles of Fusarium Species as Causal Agents of Head Blight**

YÖRÜK E., YLIMATILTA T.

in: Advancing Frontiers in Mycology & Mycotechnology, Satyanarayana T., Deshmukh S., Deshpande M., Editor, SPRINGER, pp.347-376, 2019

III. **INVESTIGATION ON THE TERPINOLENEEFFECTS IN FUSARIUM GRAMINEARUMAND F. CULMORUM (AT DIFFERENTMOLECULAR LEVELS)**

GAZDAĞLI A., Sefer Ö., YÖRÜK E., Varol G. İ., ALBAYRAK G.

in: Academic Studies in Sciences and Mathematics, Aina Adeyinka Tem,tope, Demirçalı Aykut, Editor, Gece Kitaplığı, pp.33-41, 2018

IV. **Tetrakonazol'un Fusarium culmorum üzerindeki moleküler seviyedeki etkileri**

SEFER Ö., YÖRÜK E.

in: FEN BİLİMLERİ VE MATEMATİK ALANINDA AKADEMİK ÇALIŞMALAR, Aina Adeyinka Temitope, Demirçalı Aykut, Editor, GECE KİTAPLIĞI, Ankara, pp.39-48, 2018

V. **Polymerase Chain Reaction (PCR)-based methods for multiplex detection of mycotoxigenic in Fusarium species**

YLIMATILTA T., NAYAKA S. C., VENKATARAMANA M., YÖRÜK E.

in: Multiplex Detection of Fusarium Species., Moretti Antonio, Susca Antonia, Editor, Methods in molecular biology (Clifton, N.J.), New York, pp.269-291, 2017

VI. **Polymorphisms in FgMgv1, FgStuA and FgVeA genes associated with growth of Fusarium graminearum**

YÖRÜK E., SEFER Ö.

in: Researches on Science and Art in 21st Century Turkey, Arapgirlioğlu Hasan, Atık Atilla, Elliott, Robert L., Turgeon Edward, Editor, Gece Kitaplığı, Ankara, pp.358-366, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **Determination of resistance levels of Hordeum vulgare L. lines grown in Türkiye against F. culmorum**

Ünal S., Özsoy E., SEFER Ö., TUFAN DÜLGER A. F., ÖZTÜRK GÖKÇE Z. N., YÖRÜK E.

6th International Anatolian Agriculture, Food, Environment and Biology Congress, Kütahya, Turkey, 09 October 2022, pp.890

II. **Genome wide and gene specific epigenetic analyses in fusarium species**

SEFER Ö., İBİŞOĞLU M. S., YÖRÜK E., YILMAZ S.

IV. International Eurasian Agriculture and Natural Sciences Congress, 30 October 2020

III. **The Effects of Human Urine on Growth and Gene Expressions in UPEC**

- Kalaycı Yüksek F., GÜMÜŞ D., Sefer Ö., YÖRÜK E., UZ G., KÜÇÜKER A. M.
8th Congress of European Microbiologist (FEMS 2019), Glaskov, İSKOÇYA, 7 - 11 July 2019, pp.1019
- IV. **A study on expression levels of some genes in Mar regulon in the presence of urine**
GÜMÜŞ D., KALAYCI YÜKSEK F., SEFER Ö., YÖRÜK E., KÜÇÜKER A. M.
8th Congress of European Microbiologists (FEMS 2019), Glasgow, England, 7 - 11 July 2019
- V. **The effects of human urine on growth and gene expression in UPEC**
KALAYCI YÜKSEK F., GÜMÜŞ D., UZ G., SEFER Ö., YÖRÜK E., KÜÇÜKER A. M.
8th Congress of European Microbiologists (FEMS 2019), Glasgow, England, 7 - 11 July 2019
- VI. **ALTERATIONS IN ANTIOXIDANT ACTIVITY AND EPIGENETIC PROFILE RELATED TO THIOPHANATE METHYL ON CERCOSPORA BETICOLA**
YÖRÜK E.
3rd International Congress on Food Technology, Nevşehir, Turkey, 10 - 12 October 2018, pp.75
- VII. **EUGENOL LEAD TO ENZYMATIC, EPIGENETICS, APOPTOTIC AND TRANSCRIPTOMICS ALTERATIONS ON CERCOSPORA BETICOLA**
YÖRÜK E., SEFER Ö., TUNALI B., MEYVA G., DEMİRAY K.
IX International Scientific Agriculture Symposium, SARAYBOSNA, Bosnia And Herzegovina, 4 - 07 October 2018, pp.685
- VIII. **THIOPHANATE METHYL SUSCEPTIBILITY AND ALTERATIONS IN GENE EXPRESSION OF FUSARIUM GRAMINEARUM AND F. CULMORUM ISOLATES**
SEFER Ö., YÖRÜK E., TUNALI B., KANSU B., SHARIFNABI B., YLIMATTILA T.
IX International Scientific Agriculture Symposium, SARAYBOSNA, Bosnia And Herzegovina, 4 - 07 October 2018, pp.714
- IX. **Determining WRKY Transcription Factors Related to Salinity Stress Response in Wheat (Triticum aestivum L.)**
SEFER Ö., ERASLAN M., SEFALI S., KELEŞ E. N., GÜNGÖR Ö., TUFAN A. F., YÖRÜK E.
European Conference on Science, Arts and Culture, Antalya, Turkey, 19 - 22 April 2018, pp.277
- X. **Investigation of the Effects of PAH Compounds on Mytilus galloprovincialis at Molecular Level**
ALBAYRAK S., ALBAYRAK G., GAZDAĞLI A., YÖRÜK E., TERZİ ÇELİKKOL M., ÇAĞLAR S.
EUROPEAN CONFERENCE ON SCIENCE, ART CULTURE, Antalya, Turkey, 19 - 22 April 2018
- XI. **Polymorphisms in FgMgv1, FgStuA and FgVeA genes associated with growth of Fusarium graminearum**
SEFER Ö., YÖRÜK E.
International Natural and Health Science Conference 2017, Antalya, Turkey, 19 - 21 October 2017, pp.242-244
- XII. **Salinity and drought stress investigations on barley (Hordeum vulgare L.) and wheat (Triticum aestivum L.) cultivars planted in Turkey**
YÖRÜK E., KELEŞ E. N., SEFER Ö., ERASLAN M.
International Natural and Health Science Conference 2017, Antalya, Turkey, 19 - 21 October 2017, pp.218-220
- XIII. **The Assessment of Long Term Magnesium Deficiency on the Spindle Checkpoint Genes; Mad1 and Cdc20**
ÇALIŞKAN N., SARIKAYA A., UZ G., YÖRÜK E., Bilge B. N., Bulut G., Kasap B., Erdöl S. N.
1. Ion Channels and Cancer Symposium, Şanlıurfa, Turkey, 21 - 23 September 2017
- XIV. **THE EFFECTS OF DIFFERENT ANTIBIOTICS ON EXPRESSION LEVELS OF USP, SFA/FOC AND CNF1 GENES IN A UPEC STRAIN**
GÜMÜŞ D., KALAYCI YÜKSEK F., YÖRÜK E., UZ G., Çelik E., Arslan C., Aydın E. M., Canlı C., KÜÇÜKER A. M.
7th Congress of European Microbiologists (FEMS 2017), Valensiya, Spain, 9 - 13 July 2017
- XV. **THE EFFECTS OF INSULIN AND GLUCOSE ON EXPRESSION OF GENES IN E. COLI MAR OPERON**
GÜMÜŞ D., KALAYCI YÜKSEK F., YÖRÜK E., UZ G., Bayraktar A., Köseoğlu P., Ofluoğlu Y., Daylan B., KÜÇÜKER A. M.
7th Congress of European Microbiologists (FEMS 2017), Valensiya, Spain, 9 - 13 July 2017
- XVI. **Investigation of Eugenol Effects at Growth and Transcriptomic Levels in Fusarium culmorum**
YÖRÜK E., SEFER Ö., SEZER A. S., KONUKÇU Z., DEVELİ E. S.
2nd Balkan Agriculture Congress 2017, Tekirdağ, Turkey, 16 - 18 May 2017

- XVII. **Genotyping via Conserved DNA Derived Polymorphism Markers in Fusarium culmorum**
DEVELİ E. S., YÖRÜK E.
2nd Balkan Agriculture Congress 2017, Tekirdağ, Turkey, 16 - 18 May 2017, pp.57
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SEFER Ö., YÖRÜK E., DEVELİ E. S., ZÜMRÜT I. M., SEZER A. S., KONUKÇU Z.
2nd Balkan Agriculture Congress 2017, Tekirdağ, Turkey, 16 - 18 May 2017, pp.51
- XIX. **Genotyping via Sequence Related Amplified Polymorphism Markers in Fusarium culmorum**
ZÜMRÜT I. M., TUNALI B., KANSU B., UZ G., YÖRÜK E., ÖLMEZ F., SARIKAYA A.
2nd Balkan Agriculture Congress 2017, Tekirdağ, Turkey, 16 - 18 May 2017, pp.56
- XX. **Beta-tubulin sequence based genetic diversity in Fusarium graminearum isolates from Turkey**
YÖRÜK E., SEFER Ö.
International Symposium on Biodiversity and Edible Wild Species 2017, Antalya, Turkey, 3 - 05 April 2017, pp.212
- XXI. **Beta-tubulin sequence based genetic diversity in Fusarium culmorum isolates from Turkey**
SEFER Ö., YÖRÜK E.
International Symposium on Biodiversity and Edible Wild Species 2017, Antalya, Turkey, 3 - 05 April 2017, pp.176
- XXII. **Sequence Related Amplified Polymorphism and Elongation Factor 1- α Based Genotyping in Fusarium graminearum Species Complex**
ZÜMRÜT I. M., TUNALI B., KANSU B., UZ G., YÖRÜK E., SHARIFNABI B., ÖLMEZ F., SARIKAYA A.
Symposium on Euroasian Biodiversity 2016, Antalya, Turkey, 23 - 27 May 2016, pp.511
- XXIII. **Sequence Related Amplified Polymorphism and Elongation Factor 1-Alfa Based Genotyping in Fusarium graminearum Species Complex**
Zümrüt I. M., TUNALI B., KANSU B., YÖRÜK E., UZ G., ÖLMEZ F., SARIKAYA A.
Symposium on EuroAsian Diversity, 23 - 27 May 2016
- XXIV. **Conserved DNA Derived Polymorphism Based Genotyping in Fusarium graminearum**
DEVELİ E. S., YÖRÜK E.
Symposium on Euroasian Biodiversity 2016, Antalya, Turkey, 23 - 27 May 2016, pp.441
- XXV. **Characterization of High Level of Deoxynivalenol Producer Fusarium graminearum and F. culmorum Isolates from Turkey**
YÖRÜK E., TUNALI B., KANSU B., ÖLMEZ F., MEYVA G., UZ G., ZÜMRÜT I. M., SARIKAYA A.
Symposium on Euroasian Biodiversity 2016, Antalya, Turkey, 23 - 27 May 2016
- XXVI. **Sequence Related Amplified Polymorphism and Elongation Factor 1 alpha Based Genotyping in Fusarium graminearum Species Complex**
ZÜMRÜT I. M., TUNALI B., KANSU B., UZ G., YÖRÜK E., SHARIFNABI B., ÖLMEZ F., SARIKAYA A.
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016
- XXVII. **Characterization of Level of Deoxynivalenol Producer Fusarium graminearum and F culmorum isolates from Turkey**
YÖRÜK E., KANSU B., TUNALI B., ÖLMEZ F., MEYVA G., UZ G., ZÜMRÜT I. M., SARIKAYA A.
Symposium on EuroAsian Biodiversity, Antalya, Turkey, 23 - 27 May 2016
- XXVIII. **Sequence Characterized Amplified Region Marker Usage in Identification of Phytopathogenic Fusarium species**
YÖRÜK E., YLIMATTILA T.
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, AFYON, Turkey, 21 - 24 August 2015, pp.106
- XXIX. **Farklı Üreme Koşullarının Fusarium culmorum'da tri4 Gen Anlatımı Üzerine Etkisi**
ALBAYRAK G., YÖRÜK E., GAZDAĞLI A.
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, AFYON, Turkey, 21 - 24 August 2015, pp.105
- XXX. **Allelic diversity in Hordeum spontaneum at the Dhn3 locus: a majordehydration stress-inducible gene in barley**
ÇAPUTLU S., UÇARLI C., YÖRÜK E., KARAER UZUNER S., GÜREL A. F.
Botany 2015, ALBERTA, Canada, 25 - 29 July 2015, pp.89
- XXXI. **Black Sea Microbiology and Results from Nautilus Sampling: !e Microbial Diversity of Metagenomic Samples of Sediments at Oxidic, Anoxic and Suboxic Zones**

ALTUĞ G., SARAÇ A., ERGÜNER B., YÜCETÜRK B., YÜKSEL B., SAĞİROĞLU M. Ş., ALBAYRAK G., YÖRÜK E., ÇİFTÇİ TÜRETKEN P. S., GÜRÜN S., et al.

A Symposium on the E/V Nautilus and STS Bodrum Expeditions to Turkey, Archaeological Oceanography in The Mediterranean and Black Sea, Muğla, Turkey, 19 - 20 October 2014, pp.6-7

- XXXII. **Mycotoxin profiling of Fusarium spp. from Turkey**
YÖRÜK E., GAZDAĞLI A., KARLIK E., KAYIŞ M., KAYA F., ALBAYRAK G.
Second International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 22 - 23 November 2013, pp.136
- XXXIII. **Quantitative gene expression analysis of WRKY38 and DREB2 transcription factors responsible for drought and salt tolerance in barley (*Hordeum vulgare* L.)**
ALBAYRAK G., YÖRÜK E., DİKEN Ö.
15TH EUROPEAN CONGRESS ON BIOTECHNOLOGY, İstanbul, Turkey, 23 - 26 September 2012, vol.29, pp.22
- XXXIV. **Geliştirilen Yeni Genik Mikrosatellit Markırlarının Fusarium graminearum ve Fusarium culmorum İzolatlarında Analizi**
YÖRÜK E., GAZDAĞLI A., ALBAYRAK G.
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 03 September 2012 - 07 September 2009, pp.314-315
- XXXV. **Genotyping of Fusarium graminearum and F. culmorum isolates by microsatellite markers**
YÖRÜK E., GAZDAĞLI A., ALBAYRAK G.
EUROBIOTECH 2012 AGRICULTURE SYMPOSIUM, Kayseri, Turkey, 12 - 14 April 2012, vol.161, pp.16
- XXXVI. **Physiological responses of elite barley (*Hordeum vulgare* L.) cultivars to salt stress at germination stage**
YÖRÜK E., TUFAN A. F., UÇARLI C., GÜREL A. F.
European Biotechnology Congress 2011, İstanbul, Turkey, 28 September - 01 October 2011, vol.22, pp.136
- XXXVII. **Molecular characterization of Fusarium graminearum and F. culmorum isolates of wheat, barley and maize using ISSR markers**
YÖRÜK E., ALBAYRAK G., SHARIFNABI B., Candar B.
European Biotechnology Congress 2011, İstanbul, Turkey, 28 September - 01 October 2011, vol.22, pp.132
- XXXVIII. **Arpa (*Hordeum vulgare* L.)'nın farklı çeşit ve eksplantlarında in vitro rejenerasyon kapasitesi**
YÖRÜK E., ÇEPNİ YÜZBAŞIOĞLU F. E., ÇAKIR Ö., ALBAYRAK G., ARI Ş., GÜREL A. F.
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 12 - 14 December 2009, pp.106-109
- XXXIX. **Fusarium graminearum ve Fusarium culmorum izolatlarının RAPD markırlarına dayalı genetik tiplendirmesi**
YÖRÜK E., ALBAYRAK G.
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 12 - 14 December 2009, pp.110-113

Supported Projects

Maraklı S., Yörük E., Sefer Ö., Çintesun Ş., TÜBİTAK Project, Triticum Aestivum-Fusarium Graminearum Fitopatolojisinde Nanopartikül Aracılı Foliar Rnai Uygulamalarının Etkilerinin İncelenmesi, 2024 - 2026

Servi H., Yörük E., Özsoy E., Barak T. H., Project Supported by Higher Education Institutions, Gül uçucu yağının kimyasal içeriğinin belirlenmesi ve Fusarium graminearum üzerindeki etkilerinin farklı moleküler seviyelerde analizi, 2023 - 2024

Yörük E., Perçin Özkorucuklu S., Albayrak G., TÜBİTAK Project, Zirai İlaçların Aktif Bileşiklerinin Fusarium Türlerindeki Antifungal Etkilerinin Hücresel Gösterimi ve Direnç Seviyelerinin Moleküler Mekanizmalarının Araştırılması, 2020 - 2022

YÖRÜK E., ALBAYRAK G., TÜBİTAK Project, Zirai İlaçların Aktif Bileşiklerinin Fusarium Türlerindeki Antifungal Etkilerinin Hücresel Gösterimi ve Direnç Seviyelerinin Moleküler Mekanizmalarının Araştırılması, 2020 - 2022

YÖRÜK E., YILMAZ S., TÜBİTAK Project, Fusarium Türlerinde Genom Boyunca ve Gene Özgün Epigenetik Analizler, 2017 - 2018

YÖRÜK E., GÜNAYDIN K., ALBAYRAK G., TÜBİTAK Project, Fusarium Türlerinde Miselyum Renklenmesinin Moleküler Analizi, 2017 - 2018

YÖRÜK E., GAZDAĞLI A., YILMAZ G. G., ALBAYRAK G., Project Supported by Other Official Institutions, Fusarium

culmorum İzolatlarının CAPS Markırlarıyla Genotiplendirmesi, 2014 - 2016

YÖRÜK E., GAZDAĞLI A., ÇAĞLAR S., TERZİ ÇELİKKOL M., ALBAYRAK G., BALKIS N., ALBAYRAK S., Project Supported by Other Official Institutions, *Mytilus galloprovincialis*'te PAH bileşenlerinin etkisinin moleküler düzeyde incelenmesi, 2013 - 2016

YÖRÜK E., SHARIFNABI B., ALBAYRAK G., Project Supported by Other Official Institutions, *Fusarium graminearum* ve *Fusarium culmorum* izolatlarının ISSR markır temelli genetik tiplendirmesi, 2012 - 2015

YÖRÜK E., GAZDAĞLI A., ALBAYRAK G., Project Supported by Other Official Institutions, *Fusarium* Türlerinin Genotiplendirilmesinde Kullanılabilecek Yeni Genik Mikrosatellit Markırlarının Geliştirilmesine Yönelik Çalışmalar, 2013 - 2014

Metrics

Publication: 103

Citation (Scopus): 194

H-Index (Scopus): 9