

## Asst. Prof. GÜLŞEN UZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABH-7951-2020

ScopusID: 57190610736

Yoksis Researcher ID: 49238

### Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Turkey 2016 - 2022

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Turkey 2009 - 2012

Undergraduate, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2004 - 2008

Undergraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 2003 - 2007

### Foreign Languages

English

### Dissertations

Doctorate, Schizosaccharomyces pombe'de magnezyum eksikliğinin hücre döngüsü üzerine etkisi, Istanbul University, Institute Of Graduate Studies In Sciences, 2022

Postgraduate, Schizosaccharomyces pombe'de mitotik mikrotübül oluşumu üzerine magnezyumun etkisi, Istanbul University, Institute Of Graduate Studies In Sciences, 2012

### Academic Titles / Tasks

Assistant Professor, Istanbul Yeni Yuzyil University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2022 - Continues

### Courses

Undergraduate, 2024 - 2025

Hücre Biyolojisi I, Undergraduate, 2023-2024, 2022-2023

Moleküler Genetik II, Undergraduate, 2023-2024, 2022-2023

Moleküler Genetik I, Undergraduate, 2023-2024, 2022-2023

Membran Biyolojisi, Undergraduate, 2023-2024, 2022-2023

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

- I. **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)
- II. **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)
- III. **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)
- IV. **The effect of magnesium on mitotic spindle formation in Schizosaccharomyces pombe**  
UZ G., Sarıkaya A.  
Genetics and Molecular Biology, vol.39, no.3, pp.459-464, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **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)
- II. **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., Anđ Küçükler M.  
Experimed, vol.11, no.3, pp.200-206, 2021 (Scopus)
- III. **The effects of insulin and glucose on growth and expression of mar regulon in E. coli**  
GÜMÜŞ D., KALAYCI YÜKSEK F., UZ G., Bayraktar A., Köseođlu P., Ofluođlu Y., Daylan B., KÜÇÜKER A. M.  
Turkish Journal of Clinics and Laboratory, vol.10, no.2, pp.209-216, 2019 (Peer-Reviewed Journal)
- IV. **İnsülin, Norepinefrin ve Östradiolün Çeşitli Mikroorganizmaların Üremesi Üzerine Etkisi**  
GÜMÜŞ D., KALAYCI YÜKSEK F., UZ G., BİLGİN M., KÜÇÜKER A. M.  
Türk Mikrobiyoloji Cemiyeti Dergisi, vol.48, no.3, pp.180-186, 2018 (Peer-Reviewed Journal)
- V. **The possible effects of il-1 $\beta$ , il-6 and tnf- $\alpha$  on growth rate in two different upec strains**  
KALAYCI YÜKSEK F., Bilgin M., UZ G., GÜMÜŞ D., Anđ-Küçükler M.  
Acta Microbiologica Bulgarica, vol.34, no.1, pp.61-62, 2018 (Scopus)
- VI. **The possible effects of different hormones on growth rate and ability of biofilm formation in different types of microorganisms**  
GÜMÜŞ D., KALAYCI YÜKSEK F., UZ G., Bilgin M., Anđ-Küçükler M.  
Acta Microbiologica Bulgarica, vol.34, no.1, pp.47-51, 2018 (Scopus)
- VII. **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)
- VIII. **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)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **The possible effects of different hormones on growth rate and ability of biofilm formation in different types of microorganisms**  
GÜMÜŞ D., KALAYCI YÜKSEK F., BİLGİN M., UZ G., KÜÇÜKER A. M.  
10th Balkan Congress of Microbiology (Microbiologia Balkanica 2017), Sofya, Bulgaria, 16 - 18 November 2017
- IV. **The possible effects of IL-1beta, IL-6 and TNF-alfa on growth rate in two different UPEC strains**  
KALAYCI F., KÜÇÜKER A. M., GÜMÜŞ D., BİLGİN M., UZ G.  
10th Balkan Congress of Microbiology (Microbiologica Balkanica 2017), Sofya, Bulgaria, 16 - 18 November 2017
- V. **The Assesment 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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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 2016, Antalya, Turkey, 23 - 27 May 2016, pp.511
- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **The effects of insulin and glucose on expression levels of usp, sfa/foc, and cnf1 genes in a UPEC strain**  
GÜMÜŞ D., KÜÇÜKER A. M., UZ G., SARIKAYA A.  
6th Congress of European Microbiologist FEMS congress, 7 - 11 June 2015

- XV. **The effects of insulin and glucose on expression levels of usp, sfa/foc, cnf1 genes in an UPEC strain.**  
GÜMÜŞ D., UZ G., Özçelik N., Civelek İ., Elma Y. E., Ekin S., Hasanoğlu S., Topal Sarıkaya A., KÜÇÜKER A. M.  
6th Congress of European Microbiologist (FEMS 2015), Maastricht, Netherlands, 7 - 11 June 2015, pp.1033
- XVI. **UPEC suşlarında insulin ve glukozun usp, sfa/foc, cnf 1 genlerinin ekspresyonu üzerine etkileri**  
GÜMÜŞ D., UZ G., ÖZÇELİK N., CİVELEK İ., ELMA Y. E., EKİN S., HASANOĞLU S., TOPAL SARIKAYA A., ANĞ KÜÇÜKER M.  
8.Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, Ankara, Turkey, 4 - 07 June 2014
- XVII. **UPEC suşlarında insülin ve glukozun usp, sfa/foc, cnf1 genlerinin ekspresyonu üzerine etkileri**  
GÜMÜŞ D., UZ G., Özçelik N., Civelek İ., Elma Y. E., Ekin S., Hasanoğlu S., Topal Sarıkaya A., KÜÇÜKER A. M.  
8. Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, Ankara, Turkey, 4 - 07 June 2014, pp.92-93
- XVIII. **UPEC Suşlarında İnsülin ve Glukozun usp sfa foc cnf 1 Genlerinin Ekspresyonu Üzerine Etkileri**  
GÜMÜŞ D., KÜÇÜKER A. M., UZ G.  
8. Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, Turkey, 4 - 07 June 2014

## Supported Projects

UZ G., Schizosaccharomyces pombe Mayasında RT-qPCR Temelli Gen Anlatımı Analizleri İçin Kullanılabilecek Referans Genlerin Belirlenmesi, 2022 - Continues

UZ G., EKİN S., ELMA Y. E., ANĞ KÜÇÜKER M., TOPAL SARIKAYA A., GÜMÜŞ D., CİVELEK İ., ÖZÇELİK N., TUBITAK Project, İnsülin hormonunun üropatojen E. coli suşunda virülans gen(ler)in ekspresyonu üzerine etkisi, 2012 - 2013

## Metrics

Publication: 30

Citation (Scopus): 39

H-Index (Scopus): 5