

## Prof. SEZAI TÜRKEK

### Personal Information

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### Education Information

Doctorate, University of Maryland Baltimore County, College of Natural and Mathematical Sciences, Department of Biological Sciences, United States Of America 1990 - 1994

Postgraduate, University of Maryland Baltimore County, Graduate School, Department of Biological Sciences, United States Of America 1988 - 1990

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Turkey 1985 - 1987

Undergraduate, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 1977 - 1982

### Foreign Languages

English, C2 Mastery

### Certificates, Courses and Trainings

Health&Medicine, Immunochemistry and Monoclonal Antibody Production, National Institutes of Health (NIH), FAES, 1990

Foreign Language, İngilizce Dil Okulu, University of Southern California, American Language Institute, 1987

### Dissertations

Doctorate, Transcriptional Regulation of Yeast Retrotransposon Ty2-917, University of Maryland Baltimore County, Department of Biological Sciences, Molecular and Cellular Biology Program, 1994

Postgraduate, Metabolik aktivasyon, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Biyoloji, 1987

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, 2011 - Continues

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 2005 - 2011

Associate Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 2002 - 2005

Associate Professor, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, 1999 - 2002  
Assistant Professor, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, 1995 - 1999  
Research Assistant, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, 1994 - 1995  
Research Assistant, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 1983 - 1986

## Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, 2011 - Continues  
Erasmus Coordinator, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, 2013 - 2018  
Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 2002 - 2011  
Deputy Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 2002 - 2008  
Head of Department, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, 1995 - 1998

## Courses

Kromozom Yapı ve Fonksiyonları, Undergraduate, 2019 - 2020  
Temel ve Moleküler Biyoloji Laboratuvarı I , Undergraduate, 2020 - 2021  
Moleküler Mikrobiyoloji , Undergraduate, 2019 - 2020  
Tez Danışmanlığı III , Postgraduate, 2019 - 2020  
Mikrobiyal Ekoloji , Undergraduate, 2019 - 2020  
MBG2008 Genetik, Undergraduate, 2017 - 2018  
MBG4118 Maya Genetiği ve Biyoteknolojisi, Undergraduate, 2017 - 2018  
MBG5403 HÜCRE MOLEKÜLER BİYOLOJİSİ, Postgraduate, 2017 - 2018  
MBG3001 Moleküler Genetik, Undergraduate, 2017 - 2018  
MBG3051 Moleküler Genetik Laboratuvarı, Undergraduate, 2017 - 2018  
MBG4107 Enzimoloji, Undergraduate, 2017 - 2018  
MBG5400 GEN MOLEKÜLER BİYOLOJİSİ, Postgraduate, 2016 - 2017, 2017 - 2018  
MBG4002-ST Bitirme Projesi-II, Undergraduate, 2017 - 2018  
MBG5182 YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018  
GSD4243 Yeast Biotechnology, Undergraduate, 2017 - 2018  
MBG5402 MAYA GENETİĞİ VE MOLEKÜLER BİYOLOJİSİ, Postgraduate, 2016 - 2017, 2017 - 2018  
MBG5401 MOLEKÜLER BİYOLOJİ YÖNTEMLERİ, Postgraduate, 2016 - 2017, 2017 - 2018  
MBG2058 Genetik Laboratuvarı, Undergraduate, 2017 - 2018  
MBG5181 YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018  
MBG5415 PROTEİN VE ENZİM BİYOKİMYASI, Postgraduate, 2017 - 2018  
MBG4001-ST Bitirme Projesi-I, Undergraduate, 2017 - 2018

## Advising Theses

TÜRKEK S., Investigation of the effects of biometal ions on the transcription of GPD1 gene and cell cycle, Postgraduate, G.İbrahimova(Student), 2021  
TÜRKEK S., Analysis of the effects of various differentiation signals on the transcription of TPS1 and NTH1 genes in yeast, Postgraduate, T.Saah(Student), 2021  
Türkel S., Molecular analysis of the apoptosis and autophagy signals on the gene expressions in Ty1 and Ty2 pseudoviruses, Postgraduate, C.ÇOLAKOĞLU(Student), 2020  
Türkel S., Investigation of the effects of apoptosis, autophagy and retrograde transcription on the expression of CYC1, SUC2 and GPD1 genes, Postgraduate, E.TANIK(Student), 2020  
Türkel S., Investigation of the effects of nitrogen signaling on the gene expression in ty viruses, Postgraduate,

T.KARADUMAN(Student), 2019

Türkel S., Analysis of the effects of stress activated protein kinases on the ribosomal frameshift rate in EST3 gene, Postgraduate, S.SARICA(Student), 2018

Türkel S., Investigation of the effects of apoptotic factors on the transkription of Cyc1 gene, Postgraduate, C.KESKİN(Student), 2018

Türkel S., Demir stresinin Schizosaccharomyces pombe hezkos taşıyıcıları üzerine etkileri, Postgraduate, E.ÖZKAN(Student), 2018

Türkel S., Forming of induced cancer stem-like cells as a model of cancer cell, Postgraduate, S.GONCA(Student), 2017

Türkel S., Investigation of the effects of various metal ions on the growth features and transcription of HXT2 gene in Saccharomyces cerevisiae, Postgraduate, S.ANGIN(Student), 2017

TÜRKEKEL S., Investigation of the effects of nitrogen signaling pathway on the programmed ribosomal frameshift rate in EST3 gene, Postgraduate, M.Arafat(Student), 2016

Türkel S., Genetic and biochemical analysis of the effects weak organic acid stress on the SUC2 gene expression and invertase activity in Saccharomyces cerevisiae, Postgraduate, A.KAHRAMAN(Student), 2016

Türkel S., Investigation of the effects of nitrogen signaling pathway on the programmed ribosomal frameshift rate in EST3 gene, Postgraduate, M.ARAFAT(Student), 2016

ERGÜL C. C. , TÜRKEKEL S., Investigation of Bacillus cereus; purification, microbiological and biochemical properties, Postgraduate, D.TURAN(Student), 2016

Türkel S., Comparative analysis of the structure and control mechanisms of Tor1 gene in different organisms, Postgraduate, N.ÖZ(Student), 2016

Türkel S., The metabolic affects of overexpression of Gcr1p transcription factor in Saccharomyces cerevisiae, Postgraduate, M.ULAŞ(Student), 2015

Türkel S., Molecular analysis of the translational control mechanisms in the EST3 gene, Postgraduate, S.ELİF(Student), 2015

Türkel S., Investigation of the effects of different signaling pathways to gene expression in retrovirus Ty1, Doctorate, E.ARİK(Student), 2014

Türkel S., Investigation of the effects of abiotic stress conditions on the transcription of HXT4 gene in S. cerevisiae, Postgraduate, S.BAHAR(Student), 2011

Türkel S., Molecular analysis of the effects of glucose and nitrogen signal transduction pathways on the transcription of nth1 gene, Postgraduate, T.TURAN(Student), 2011

TÜRKEKEL S., Molecular analysis of the effects of signal transduction pathways on the frameshift in metavirus Ty3, Postgraduate, G.Kaplan(Student), 2010

Türkel S., Isolation of yeasts from Kluyveromyces lactis taxon and characterization of their metabolic and genetic features, Doctorate, N.KAYAKENT(Student), 2009

Türkel S., Molecular analysis of the effects of glucose induction on the transcription of retrotransposon TY2, Postgraduate, E.ARİK(Student), 2007

Türkel S., Analysis of the effects of non-histone proteins and transcriptional mediators on the regulation of HXT genes transcription, Postgraduate, S.GÜZEL(Student), 2005

Türkel S., Analysis of the effects of chromatin modifying factors on the regulation of retrotransposon Ty2 transcription, Postgraduate, B.YENİCE(Student), 2005

Türkel S., Analysis of glycogen and trehalose metabolism in the kluyveromyces species, Doctorate, Ç.EGEL(Student), 2005

Türkel S., The Analysis of the growth conditions transcription and frameshift rate of Ty2 retrotransposon, Postgraduate, Ö.BAYRAM(Student), 2003

Türkel S., Molecular analysis of the effects of osmotic stress on the glucose repression in sacharomyces cerevisiae, Postgraduate, Y.YÜCEL(Student), 2003

Türkel S., Comparative analysis of invertase activities in different yeast species, Postgraduate, N.KAYAKENT(Student), 2003

Türkel S., Analysis of the effect of transcription factor Gcr2p on the SUC2 gene expression, Postgraduate, İ.SAVAŞÇIOĞLU(Student), 2002

Türkel S., Analysis of the effects of trehalose synthase on the SUC2 gene expression pattern in the saccharomyces

cerevisiae, Postgraduate, M.DUDAK(Student), 2001

Türkel S., Analysis of the effects of glycolysis regulators on the sucz gene expression and reserve carbohydrate levels in the yeast saccharomyces cerevisiae, Doctorate, T.TURGUT(Student), 2000

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effects of stress activated protein kinases on the expression of EST3 gene that encodes telomerase subunit in Saccharomyces cerevisiae**  
TÜRKEKEL S., Sarica S.  
BIOLOGIA, vol.72, no.3, pp.252-258, 2017 (Journal Indexed in SCI)
- II. **Glucose signalling pathway controls the programmed ribosomal frameshift efficiency in retroviral-like element Ty3 in Saccharomyces cerevisiae**  
TÜRKEKEL S., Kaplan G., Farabaugh P. J.  
YEAST, vol.28, no.11, pp.799-808, 2011 (Journal Indexed in SCI)
- III. **Effect of different stresses on trehalose levels in Rhizopus oryzae**  
Uyar E. O. , Hamamci H., TÜRKEKEL S.  
JOURNAL OF BASIC MICROBIOLOGY, vol.50, no.4, pp.368-372, 2010 (Journal Indexed in SCI)
- IV. **The effects of the Pho85 signaling pathway on invertase biosynthesis and glucose uptake in Saccharomyces cerevisiae**  
TÜRKEKEL S., Arik E.  
TURKISH JOURNAL OF BIOLOGY, vol.34, no.2, pp.103-108, 2010 (Journal Indexed in SCI)
- V. **Glucose Signaling Pathway and Growth Conditions Regulate Gene Expression in Retrotransposon Ty2**  
TÜRKEKEL S., Bayram O., Arik E.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.64, pp.526-532, 2009 (Journal Indexed in SCI)
- VI. **Isolation and Characterization of New Metschnikowia pulcherrima Strains as Producers of the Antimicrobial Pigment Pulcherrimin**  
TÜRKEKEL S., ENER B.  
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.64, pp.405-410, 2009 (Journal Indexed in SCI)
- VII. **The effect of hyperosmotic stress and nitrogen starvation on growth and beta-galactosidase synthesis in Kluyveromyces lactis and Kluyveromyces marxianus**  
TÜRKEKEL S., Arik E., Guzelvardar S.  
TURKISH JOURNAL OF BIOLOGY, vol.32, no.3, pp.175-180, 2008 (Journal Indexed in SCI)
- VIII. **Glucose signaling controls the transcription of retrotransposon Ty2-917 in Saccharomyces cerevisiae**  
Turkel S., Arik E.  
VIRUS GENES, vol.35, no.3, pp.713-717, 2007 (Journal Indexed in SCI)
- IX. **Comparative analysis of glycogen and trehalose accumulation in methylotrophic and nonmethylotrophic yeasts**  
Turkel S.  
MICROBIOLOGY, vol.75, no.6, pp.639-643, 2006 (Journal Indexed in SCI)
- X. **Non histone Proteins and the Mediator Complex Are Essential for the Transcription of the HXT2 and HXT4 Genes in Saccharomyces cerevisiae**  
Güzelvardar S., TÜRKEKEL S.  
Turkish Journal Of Biology, vol.30, no.3, pp.163-169, 2006 (Journal Indexed in SCI)
- XI. **Effect of osmotic stress on the derepression of invertase synthesis in nonconventional yeasts**  
Turkel S., Turgut T., Kayakent N.  
LETTERS IN APPLIED MICROBIOLOGY, vol.42, no.1, pp.78-82, 2006 (Journal Indexed in SCI)

- XII. **Isolation and characterization of glucose derepressed invertase mutants from *Schizosaccharomyces pombe***  
Kig C., Turkel S., Temizkan G.  
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, vol.69, no.12, pp.2475-2478, 2005 (Journal Indexed in SCI)
- XIII. **Comment on Blachinsky et al. "Procedure for controlling number of repeats, orientation, and order during cloning of oligonucleotides" *BioTechniques* 36 : 933-936 (June 2004).**  
Turkel S., Farabaugh P.  
BIOTECHNIQUES, vol.37, no.4, pp.562, 2004 (Journal Indexed in SCI)
- XIV. **Non-histone proteins Nhp6A and Nhp6B are required for the regulated expression of SUC2 gene of *Saccharomyces cerevisiae***  
Turkel S.  
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.98, no.1, pp.9-13, 2004 (Journal Indexed in SCI)
- XV. **Mutations in GCR1 affect SUC2 gene expression in *Saccharomyces cerevisiae***  
Turkel S., Turgut T., Lopez M., Uemura H., Baker H.  
MOLECULAR GENETICS AND GENOMICS, vol.268, no.6, pp.825-831, 2003 (Journal Indexed in SCI)
- XVI. **The GCR2 gene is required for the transcriptional activation of retrotransposon Ty2-917 in *Saccharomyces cerevisiae***  
Turkel S.  
BIOLOGICAL & PHARMACEUTICAL BULLETIN, vol.25, no.9, pp.1212-1213, 2002 (Journal Indexed in SCI)
- XVII. **The GCR1 gene function is essential for glycogen and trehalose metabolism in *Saccharomyces cerevisiae***  
Turkel S.  
FOLIA MICROBIOLOGICA, vol.47, no.6, pp.663-666, 2002 (Journal Indexed in SCI)
- XVIII. **Transcription of the HXT4 gene is regulated by Gcr1p and Gcr2p in the yeast *S-cerevisiae***  
Turkel S., Bisson L.  
YEAST, vol.15, no.11, pp.1045-1057, 1999 (Journal Indexed in SCI)
- XIX. **Hyperosmotic stress represses the transcription of HXT2 and HXT4 genes in *Saccharomyces cerevisiae***  
Turkel S.  
FOLIA MICROBIOLOGICA, vol.44, no.4, pp.372-376, 1999 (Journal Indexed in SCI)
- XX. **GCR1-dependent transcriptional activation of yeast retrotransposon Ty2-917**  
Turkel S., Liao X., Farabaugh P.  
YEAST, vol.13, no.10, pp.917-930, 1997 (Journal Indexed in SCI)
- XXI. **3 DOWNSTREAM SITES REPRESS TRANSCRIPTION OF A TY2 RETROTRANSPOSON IN SACCHAROMYCES-CEREVISIAE**  
FARABAUGH P., VIMALADITHAN A., TURKEL S., JOHNSON R., ZHAO H.  
MOLECULAR AND CELLULAR BIOLOGY, vol.13, no.4, pp.2081-2090, 1993 (Journal Indexed in SCI)
- XXII. **INTERSPERSION OF AN UNUSUAL GCN4 ACTIVATION SITE WITH A COMPLEX TRANSCRIPTIONAL REPRESSION SITE IN TY2 ELEMENTS OF SACCHAROMYCES-CEREVISIAE**  
TURKEL S., FARABAUGH P.  
MOLECULAR AND CELLULAR BIOLOGY, vol.13, no.4, pp.2091-2103, 1993 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Investigation of the Effects of Autophagy Signaling on the Transcription of Yeast Retrotransposon Ty2-917**  
Türkel S., Çolakoğlu C., Karaduman T.  
European Journal of Biology, vol.80, no.2, pp.107-118, 2021 (National Refreed University Journal)
- II. **Apoptosis Signaling Pathway Regulates the Gene Expression in the Yeast Retrotransposons Ty1 and Ty2**

ÇOLAKOĞLU C., TÜRKEK S.

European Journal of Biology, vol.79, no.1, pp.36-42, 2020 (Refereed Journals of Other Institutions)

III. **Genetic and biochemical analysis of the reserve carbohydrate metabolism in *Candida albicans* and *Candida rugosa***

KARACA GENÇER H., KIVANÇ M., TÜRKEK S.

Advanced Studies in Biology, vol.10, no.2, pp.61-77, 2018 (Refereed Journals of Other Institutions)

IV. **Amino Acid Starvation Enhances Programmed Ribosomal Frameshift in Metavirus Ty3 of *Saccharomyces cerevisiae***

TÜRKEK S.

Advances in Biology, vol.2016, pp.1-6, 2016 (Refereed Journals of Other Institutions)

V. **Glucose Signaling Pathway Regulates the Transcription of Pseudovirus Ty1 in the Cell Type Dependent Manner in *Saccharomyces cerevisiae***

TÜRKEK S., ARIK E.

Journal of Applied Biological Sciences, vol.9, no.1, pp.1-5, 2015 (Refereed Journals of Other Institutions)

VI. **Biocontrol Activity of the Local Strain of *Metschnikowiapulcherrima* on Different Postharvest Pathogens**

TÜRKEK S., KORUKLUOĞLU M., YAVUZ M.

Biotechnology Research International, 2014 (Refereed Journals of Other Institutions)

VII. **Isolation and Molecular Identification of New *Kluyveromyces lactis* Strains Producing High Levels of Lactase and Invertase Enzymes**

TÜRKEK S., KAYAKENT N.

Journal of Applied Biological Sciences, vol.7, no.3, pp.51-55, 2013 (Refereed Journals of Other Institutions)

## Books & Book Chapters

I. **Assembly, Release, and Maturation**

Türkel S.

in: Principles of Virology, Volume I. Molecular Biology, Prof.Dr. Hikmet Geçkil, Editor, Palme Yayın Dağıtım, Ankara, pp.434-481, 2022

II. **Barriers to Infection**

Türkel S.

in: Principles of Virology, Volume II Pathogenesis and Control, Prof.Dr. Hikmet Geçkil, Prof.Dr. Ekrem Atalan, Editor, Palme Yayın Dağıtım, Ankara, pp.30-59, 2022

III. **Mantarlar Alemi**

TÜRKEK S.

in: Biyoloji, Mehmet Karataş, Gökhan Sadi, Editor, Nobel Akademik Yayıncılık, Ankara, pp.395-402, 2015

IV. **Transkripsiyon Başlama Kompleksinin Oluşumu**

TÜRKEK S.

in: Genomlar 3, Fevzi Bardakçı, Celal Ülger, Editor, Nobel Akademik Yayıncılık, Ankara, pp.295-332, 2015

V. **Bakterilerde Transkripsiyon**

TÜRKEK S., ÇANAKÇI S., SEVİM E., GÜLER H. İ.

in: Temel Moleküler Biyoloji, Ali Osman Beldüz, Editor, Palme Yayıncılık, Ankara, pp.263-291, 2014

VI. **RNA'nın İşlenmesi, Sayfa: 259-274.**

TÜRKEK S.

in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.259-274, 2014

VII. **Ökaryotlarda Transkripsiyon**

ÇANAKÇI S., TÜRKEK S., İNAN BEKTAŞ K.

in: Temel Moleküler Biyoloji, Ali Osman Beldüz, Editor, Palme Yayıncılık, Ankara, pp.292-353, 2014

VIII. **Ökaryotlarda Transkripsiyonun Regülasyonu**

TÜRKEK S.

in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.237-258, 2014

**IX. RNA Metabolizması**

TÜRKEK S.

in: Lehninger Biyokimyannın İlkeleri, Y. Murat Elçin, Editor, Palme Yayıncılık, Ankara, pp.1021-1065, 2013

**X. Ökaryotlarda Transkripsiyonun Regülasyonu**

TÜRKEK S.

in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.189-209, 2012

**XI. RNA'nın İşlenmesi**

TÜRKEK S.

in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.211-226, 2012

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Effects of Calcium Signaling Pathway on the Cell Cycle Regulation and Transcription of Genes That Involves in Glucose Metabolism**  
Öztop O. A. , Tanık E., Çolakoğlu C., TÜRKEK S.  
II. International Agricultural, Biological & Life Science Conference E-AGBIOL 2020, Edirne, Turkey, 01 September 2020, pp.221
- II. **Selective autophagy signals regulate the gene expression in Ty retrotransposons.**  
Çolakoğlu C., TÜRKEK S.  
II. International Agricultural, Biological & Life Science Conference E-AGBIOL 2020, Edirne, Turkey, 01 September 2020, pp.224
- III. **Apoptosis and Autophagy Signaling Repress the Transcription of GPD1 and CYC1 Gene.**  
Tanık E., Çolakoğlu C., Öztop O. A. , TÜRKEK S.  
7th. International Congress of the Molecular Biology Association of Turkey., İstanbul, Turkey, 27 - 29 September 2019, vol.43, pp.106
- IV. **Induction of Autophagy and Apoptosis Affects the Gene Expression in Ty Elements of Saccharomyces cerevisiae.**  
TÜRKEK S., Çolakoğlu C., Tanık E., Öztop O. A.  
29th International Conference on Yeast Genetics and Molecular Biology (ICYGMB), Gothenburg, Sweden, 18 - 22 August 2019
- V. **Citric Acid Stress Results with Cell Cycle Abnormalities and Activates GPD1 Expression in MAPK Hog1p/p38 Dependent manner.**  
TÜRKEK S., Arslan G., İbrahimova G.  
6th. International Congress of the Molecular Biology Association of Turke, İzmir, Turkey, 5 - 08 September 2018
- VI. **Saccharomyces cerevisiae'da Organik Asit Stresinin CYC1 ve GPD1 Genleri Transkripsiyonuna Etkilerinin İncelenmesi.**  
TÜRKEK S., Arslan G., İbrahimova G., Peters T. S.  
III. Ulusal Uygulamalı Biyolojik Bilimler Kongresi, Eskişehir, Turkey, 3 - 05 May 2018
- VII. **Identification of yeast samples and yeast biodiversity from Arbutus unedo L. Berries.**  
TÜRKEK S., Sarıca S.  
4th International Congresson Applied Biological Sciences, Eskişehir, Turkey, 3 - 05 May 2018
- VIII. **Spt7p is essential for regulation of NTH1 gene expression in Saccharomyces cerevisiae.**  
TURGUT GENÇ T., AKINCI N., TÜRKEK S.  
6. International Molecular Biology and Biotechnology Congress (MOLBIOTECH), 22 - 25 December 2017
- IX. **SNF2 has a role in transcriptional regulation of NTH1 gene in Saccharomyces cerevisiae.**  
TURGUT GENÇ T., AKINCI N., TÜRKEK S.  
6. International Molecular Biology and Biotechnology Congress (MOLBIOTECH), 22 - 25 December 2017
- X. **Computational investigation of TOR1 gene structure and expression profiles in different yeast species**

TÜRKEL S., Bekpen C., Öz N.

28th International Conference on Yeast Genetics and Molecular Biology, Prag, Czech Republic, 27 August - 01 September 2017, pp.302-303

- XI. **Computational Analysis of the Glycolytic Gene Expression Patterns in Different *Saccharomyces cerevisiae* Strains Grown in Solid State Fermentation Conditions**  
Servili B., TURGUT GENÇ T., TÜRKEL S.  
28. International Conference on Yeast Genetics and Molecular Biology (ICYGMB), 27 August - 01 September 2017
- XII. **Stress Activated Protein Kinases Regulates the Ribosomal Frameshift rate in EST3 Gene Encoding subunit of Telomerase**  
TÜRKEL S., Sarıca S.  
The 41st FEBS Congress, Kuşadası, Turkey, 3 - 08 September 2016, vol.283
- XIII. **Stress activated protein kinases regulates the ribosomal frameshift rate in EST3 gene, encoding subunit of telomerase**  
Turkel S., Sarıca S.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.176
- XIV. **Zayıf organik asit stresinin *Saccharomyces cerevisiae* da SUC2 geni ekspresyonu ve invertaz aktivitesine etkileri**  
Kahraman A., TÜRKEL S.  
18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- XV. **Glikolitik yolak aktivatörü Gcr1p fazla sentezinin metabolik etkileri**  
TÜRKEL S., Ulaş M., kahraman A.  
18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- XVI. ***S. cerevisiae* da Gcr1p nin fazla sentezinin üreme hızı ve endüstriyel metabolitlerin üretimine etkilerinin genetik ve biyokimyasal analizi**  
TÜRKEL S., Ulaş M.  
IV Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 21 - 24 August 2015
- XVII. **Bazı gıda katkı maddelerinin *Saccharomyces cerevisiae* da trehaloz ve gliserol metabolizması genleri ekspresyonuna etkilerinin moleküler ve biyokimyasal analizi**  
Kahraman A., Angın S., TÜRKEL S.  
IV Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 21 - 24 August 2015
- XVIII. ***Saccharomyces cerevisiae* da Mig1 transkripsiyon represörü NTH1 gen ekspresyonunu dolaylı aktive eder**  
SOLAK M. Ş. , TURGUT GENÇ T., TÜRKEL S.  
IV Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 21 - 24 August 2015
- XIX. ***Saccharomyces cerevisiae* da çeşitli sinyal iletim yollarının NTH1 geni ekspresyonuna etkilerinin analizi**  
TURGUT GENÇ T., Solak M. Ş. , Servili B., TÜRKEL S.  
IV Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 21 - 24 August 2015
- XX. **Gcn1-Gcn2 complex regulates ribosomal frameshift in metavirus Ty3 of *S. cerevisiae***  
TÜRKEL S.  
26th International Conference on Yeast Genetics and Molecular Biology, Frankfurt, Germany, 29 August - 03 September 2013, vol.30, pp.102
- XXI. **Isolation and analysis of constitutive invertase mutants resistant to high levels of glucose from *Schizosaccharomyces pombe*.**  
Temizkan G., Kig C., Turkel S.  
21st International Conference on Yeast Genetics and Molecular Biology, Gothenburg, Sweden, 7 - 12 July 2003, vol.20



## Supported Projects

- TÜRKEL S., TUBITAK Project, Pankreatik Kanserde Hedef Genlerin Susturulması ve Terapötik Etkisinin İn Vitro ve İn Vivo Olarak Araştırılması, 2013 - 2017
- TÜRKEL S., Project Supported by Higher Education Institutions, Deneysel İnflamatuvar Bağırsak Hastalıklarında Kurkuminin Paraoksonaz Ekspresyonu ile İlişkisi, 2014 - 2016
- KORUKLUOĞLU M., KUMRAL A., TÜRKEL S., Project Supported by Higher Education Institutions, Gemlik çeşidi zeytinlerin fermentasyonunda bazı bileşenlerin değişimi ve etkili laktik asit bakterileri ile mayaların tanısı, 2010 - 2016
- TÜRKEL S., TUBITAK Project, *S. cerevisiae* da Gcr1p nin fazla sentezinin üreme hızı biyomas verimi ve endüstriyel metabolitlerin üretimine etkilerinin genetik ve biyokimyasal analizler ile incelenmesi, 2014 - 2015
- TÜRKEL S., Project Supported by Higher Education Institutions, *S. cerevisiae*'da gliserol ve trehaloz metabolizmasının analizi, 2012 - 2013
- Kumral A., Türkel S., Korukluoğlu M., Project Supported by Other Official Institutions, Gemlik çeşidi siyah zeytinlerin fermentasyonunda bazı bileşenlerin değişimi ve etkili laktik asit bakterileri ile mayaların tanısı, 2010 - 2013
- Türkel S., Project Supported by Other Official Institutions, Hüresel sinyal iletim yollarının metavirus TY3de frameshift etkilerinin moleküler analizi, 2009 - 2011
- TÜRKEL S., TUBITAK Project, Süt ürünlerimizden izole edilen mikroorganizmalardan laktaz enzimi üretimi, saflaştırılması ve immobilizasyonu, 2005 - 2009
- Harsa H. Ş., Türkel S., TUBITAK Project, Süt ürünlerimizden izole edilen mikroorganizmalardan laktaz enzimi üretimi saflaştırılması ve immobilizasyonu, 2005 - 2008
- Türkel S., Project Supported by Other Official Institutions, Hücre bölünme hızı ve metabolik durumunun retrotranspozon Ty2 917 de gen işleyişine etkilerinin araştırılması, 2004 - 2006
- Turgut Genç T., Türkel S., Project Supported by Other Official Institutions, Hücre dışına salgılanan alfa amilaz enzim aktivitesinin farklı *Pichia* türlerinde değişik fizyolojik şartlarda biyokimyasal ve moleküler analizi, 2003 - 2006
- Türkel S., TUBITAK Project, Methylothetic Mayalarda İnvertaz Aktivitesi ve Depo karbonhidrat metabolizmasının Biyokimyasal Analizi, 2002 - 2003
- Türkel S., TUBITAK Project, Transkripsiyon Faktörleri Gcr1p Gcr2p ve Rap1p nin *S. cerevisiae* da invertaz sentezi Trehaloz metabolizması ve Stres toleransına olan etkilerinin araştırılması, 2001 - 2003

## Edit Congress and Symposium Activities

- I. Ulusal Biyoloji Toplulukları Kongresi, Invited Speaker, Bursa, Turkey, 2019
- Genetik Öğrenci Topluğu I. sempozyumu, Invited Speaker, Balıkesir, Turkey, 2018
- "Maya Biyoteknolojisinde Güncel Gelişmeler", Invited Speaker, Çanakkale, Turkey, 2008
- "Retrotranspozon Ty2'de gen Anlatımının Metabolik Kontrolü", Invited Speaker, İstanbul, Turkey, 2008
5. "Regulation of HXT Genes Transcription by Gcr1p in *S. cerevisiae*.", Invited Speaker, Maryland, United States Of America, 1998
- University of California-Davis, Dept. of Viticulture and Enology, Invited Speaker, Maryland, United States Of America, 1998
- Pakmaya ve ODTÜ, Gıda Mühendisliği Bölümü, Invited Speaker, Ankara, Turkey, 1996

## Citations

Total Citations (WOS):177

h-index (WOS):8

## Scholarships

bazı retrovirüslerde programlı ribozomal frameshifting kontrol mekanizmaları ile ilgili ortak araştırma projesi, University, 2010 - 2010  
NIH-Fogarty International Visiting Fellow, University, 1998 - 1999  
edilen RNA Structure and Function , Other International Organizations, 1996 - 1996  
Doktora sonrası kısa dönem araştırma bursu , Special Institutions and Organizations, 1995 - 1995  
Yeast Genetics and Molecular Biology sempozyumu, University, 1994 - 1994  
Milli Eğitim Bakanlığı bursu, Ministry of Education, 1987 - 1994  
Extra-chromosomal Elements and Molecular Biology" sempozyumu, University, 1993 - 1993  
Yeast Genetics and Molecular Biology sempozyumu, University, 1993 - 1993  
Bio-energetics , Other International Organizations, 1984 - 1984  
Moleküler Biyoloji ve Genetik Mühendisliği, TÜBİTAK, 1983 - 1983

## **Awards**

Türkel S., Bilimsel Telif ve Çeviri Eser Ödülü, Tüba, January 2015