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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-6281-2021

ScopusID: 7003319075

Yoksis Researcher ID: 3928

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 BİLİMLERİ ENSTİTÜSÜ, 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 BİLİMLERİ ENSTİTÜSÜ, Biyoloji, 1987

Research Areas

Life Sciences, Molecular Biology and Genetics, Health Sciences, Fundamental Medical Sciences, Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, 2011 - Continues
Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, BİYOLOJİ, 2005 - 2011
Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, BİYOLOJİ, 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-EDEBİYAT FAKÜLTESİ, BİYOLOJİ, 1983 - 1986

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, 2011 - Continues
Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, 2011 - 2022
Erasmus Coordinator, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, 2013 - 2018
Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, BİYOLOJİ, 2002 - 2011
Deputy Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, BİYOLOJİ, 2002 - 2008
Head of Department, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, 1995 - 1998

Courses

Moleküler Genetik, Undergraduate, 2021 - 2022
Molecular Genetics Laboratory, Undergraduate, 2022 - 2023
Genetics laboratory, Undergraduate, 2021 - 2022
Moleküler Genetik Laboratuvarı, Undergraduate, 2021 - 2022
Molecular and Cellular Biochemistry , Undergraduate, 2021 - 2022
Genetics, Undergraduate, 2021 - 2022
Graduation project-II, Undergraduate, 2021 - 2022
Genetics , Undergraduate, 2021 - 2022
Moleküler Genetik, Undergraduate, 2021 - 2022
Moleküler Genetik Laboratuvarı, Undergraduate, 2021 - 2022
Molecular and Cellular Biochemistry , Undergraduate, 2021 - 2022
Graduation Project-1, Undergraduate, 2021 - 2022
Enzimoloji, Undergraduate, 2021 - 2022
Advanced topics in M.Sc Thesis, Postgraduate, 2021 - 2022
Methods in Molecular Biology, Postgraduate, 2021 - 2022
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
MBG4107 Enzimoloji, Undergraduate, 2017 - 2018
MBG5400 GEN MOLEKÜLER BİYOLOJİSİ, Postgraduate, 2017 - 2018, 2016 - 2017

MBG4002-ST Bitirme Projesi-II, Undergraduate, 2017 - 2018
MBG5182 YÜKSEK LİSANS UZMANLIK ALAN DERSİ, Postgraduate, 2017 - 2018
Yeast Biotechnology, Undergraduate, 2017 - 2018
MBG5402 MAYA GENETİĞİ VE MOLEKÜLER BİYOLOJİSİ, Postgraduate, 2017 - 2018, 2016 - 2017
MBG5401 MOLEKÜLER BİYOLOJİ YÖNTEMLERİ, Postgraduate, 2017 - 2018, 2016 - 2017
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

Türkel S., Abiyotik stres koşullarının bazı ticari ekmek mayası suşlarında üreme özelliklerine ve amilaz, proteaz, invertaz enzim aktiviteleri üzerine etkilerinin araştırılması, Postgraduate, H.SEZER(Student), 2022
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
TÜRKEK S., Investigation of the effects of biometal ions on the transcription of GPD1 gene and cell cycle, Postgraduate, G.İbrahimova(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 effect of calcium signaling pathway on the cell cycle regulation and transcription of genes that involves in glucose metabolism, Postgraduate, O.ALP(Student), 2020
Türkel S., Investigation of the effects of weak acid stress on the cell cycle and transcription of CYC1 and GPD1 genes, Postgraduate, G.ARSLAN(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 hegzos 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
TÜRKEK 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., 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., Comparative analysis of the structure and control mechanisms of Tor1 gene in different organisms, Postgraduate, N.ÖZ(Student), 2016
ERGÜL C. C., TÜRKEK S., Investigation of Bacillus cereus; purification, microbiological and biochemical properties, Postgraduate, D.TURAN(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., Molecular analysis of the effects of glucose and nitrogen signal transduction pathways on the transcription of nth1 gene, Postgraduate, T.TURAN(Student), 2011

Türkel S., Investigation of the effects of abiotic stress conditions on the transcription of HXT4 gene in *S. cerevisiae*, Postgraduate, S.BAHAR(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 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., 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., 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., The Analysis of the growth conditions transcription and frameshift rate of Ty2 retrotransposon, Postgraduate, Ö.BAYRAM(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

Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- V. **Glucose Signaling Pathway and Growth Conditions Regulate Gene Expression in Retrotransposon**

Ty2

TÜRKEK S., Bayram O., Arik E.

ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.64, pp.526-532, 2009 (SCI-Expanded)

- VI. **Isolation and Characterization of New *Metschnikowia pulcherrima* Strains as Producers of the Antimicrobial Pigment Pulcherrimin**
TÜRKEK S., ENER B.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.64, pp.405-410, 2009 (SCI-Expanded)
- VII. **The effect of hyperosmotic stress and nitrogen starvation on growth and beta-galactosidase synthesis in *Kluyveromyces lactis* and *Kluyveromyces marxianus***
TÜRKEK S., Arik E., Guzelvardar S.
TURKISH JOURNAL OF BIOLOGY, vol.32, no.3, pp.175-180, 2008 (SCI-Expanded)
- 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 (SCI-Expanded)
- IX. **Comparative analysis of glycogen and trehalose accumulation in methylotrophic and nonmethylotrophic yeasts**
Turkel S.
MICROBIOLOGY, vol.75, no.6, pp.639-643, 2006 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **Non histone Proteins and the Mediator Complex Are Essential for the Transcription of the HXT2 and HXT4 Genes in *Saccharomyces cerevisiae***
Güzelvardar S., TÜRKEK S.
Turkish Journal Of Biology, vol.30, no.3, pp.163-169, 2006 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

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 (Peer-Reviewed Journal)
- II. **Apoptosis Signaling Pathway Regulates the Gene Expression in the Yeast Retrotransposons Ty1 and Ty2**
 ÇOLAKOĞLU C., TÜRKEKEL S.
 European Journal of Biology, vol.79, no.1, pp.36-42, 2020 (Peer-Reviewed Journal)
- III. **Genetic and biochemical analysis of the reserve carbohydrate metabolism in *Candida albicans* and *Candida rugosa***
 KARACA GENÇER H., KIVANÇ M., TÜRKEKEL S.
 Advanced Studies in Biology, vol.10, no.2, pp.61-77, 2018 (Peer-Reviewed Journal)
- IV. **Amino Acid Starvation Enhances Programmed Ribosomal Frameshift in Metavirus Ty3 of *Saccharomyces cerevisiae***
 TÜRKEKEL S.
 Advances in Biology, vol.2016, pp.1-6, 2016 (Peer-Reviewed Journal)
- V. **Glucose Signaling Pathway Regulates the Transcription of Pseudovirus Ty1 in the Cell Type Dependent Manner in *Saccharomyces cerevisiae***
 TÜRKEKEL S., Arik E.
 Journal of Applied Biological Sciences, vol.9, no.1, pp.1-5, 2015 (Scopus)
- VI. **Biocontrol Activity of the Local Strain of *Metschnikowiapulcherrima* on Different Postharvest Pathogens**
 TÜRKEKEL S., KORUKLUOĞLU M., YAVUZ M.
 Biotechnology Research Internationa, 2014 (Peer-Reviewed Journal)
- VII. **Isolation and Molecular Identification of New *Kluyveromyces lactis* Strains Producing High Levels of Lactase and Invertase Enzymes**
 TÜRKEKEL S., Kayakent N.
 Journal of Applied Biological Sciences, vol.7, no.3, pp.51-55, 2013 (Peer-Reviewed Journal)

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**
TÜRKEKEL S.
in: Biyoloji, Mehmet Karataş, Gökhan Sadi, Editor, Nobel Akademik Yayıncılık, Ankara, pp.395-402, 2015
- IV. **Transkripsiyon Başlama Kompleksinin Oluşumu**
TÜRKEKEL S.
in: Genomlar 3, Fevzi Bardakçı, Celal Ülger, Editor, Nobel Akademik Yayıncılık, Ankara, pp.295-332, 2015
- V. **Bakterilerde Transkripsiyon**
TÜRKEKEL 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.**
TÜRKEKEL S.
in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.259-274, 2014
- VII. **Ökaryotlarda Transkripsiyon**
ÇANAKÇI S., TÜRKEKEL S., İNAN BEKTAŞ K.
in: Temel Moleküler Biyoloji, Ali Osman Beldüz, Editor, Palme Yayıncılık, Ankara, pp.292-353, 2014
- VIII. **Ökaryotlarda Transkripsiyonun Regülasyonu**
TÜRKEKEL S.
in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.237-258, 2014
- IX. **RNA Metabolizması**
TÜRKEKEL S.
in: Lehninger Biyokimyannın İlkeleri, Y. Murat Elçin, Editor, Palme Yayıncılık, Ankara, pp.1021-1065, 2013
- X. **Ökaryotlarda Transkripsiyonun Regülasyonu**
TÜRKEKEL S.
in: Moleküler Biyoloji, Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, Ankara, pp.189-209, 2012
- XI. **RNA'nın İşlenmesi**
TÜRKEKEL 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., TÜRKEKEL 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., TÜRKEKEL 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., TÜRKEKEL 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*.**
TÜRKEKEL 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.**
TÜRKEKEL S., Arslan G., İbrahimova G.
6th. International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 5 - 08 September 2018
- VI. ***Saccharomyces cerevisiae*'da Organik Asit Stresinin CYC1 ve GPD1 Genleri Transkripsiyonuna Etkilerinin İncelenmesi.**
TÜRKEKEL 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.**
TÜRKEKEL S., Sarıca S.
4th International Congress on 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., TÜRKEKEL 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., TÜRKEKEL 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**
TÜRKEKEL 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., TÜRKEKEL 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**
TÜRKEKEL 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., TÜRKEKEL S.
18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- XV. **Glikolitik yolak aktivatörü Gcr1p fazla sentezinin metabolik etkileri**
TÜRKEKEL 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

TÜRKEK 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., TÜRKEK 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., TÜRKEK 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., TÜRKEK 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***

TÜRKEK 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

TÜRKEK S., TUBITAK Project, Pankreatik Kanserde Hedef Genlerin Susturulması ve Terapötik Etkisinin İn Vitro ve İn Vivo Olarak Araştırılması, 2013 - 2017

TÜRKEK S., Project Supported by Higher Education Institutions, Deneysel İnflamatuvar Bağırsak Hastalıklarında Kurkuminin Paraoksonaz Ekspresyonu ile İlişkisi, 2014 - 2016

TÜRKEK S., KUMRAL A., KORUKLUOĞLU M., Project Supported by Higher Education Institutions, Gemlik çeşidi zeytinlerin fermentasyonunda bazı bileşenlerin değişimi ve etkili laktik asit bakterileri ile mayaların tanısı, 2010 - 2016

TÜRKEK 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

TÜRKEK 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, Hücresel sinyal iletim yollarının metavirüs TY3de frameshift etkilerinin moleküler analizi, 2009 - 2011

TÜRKEK 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, Methylophilic 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

Memberships / Tasks in Scientific Organizations

Chemistry and Biology Advisory Board Member, Member of Advisory Board, 2019 - 2021, Turkey

Agriculture, Forestry and Veterinary Science Research Group Project Consultant, Member of Advisory Board, 2018 - 2020, Turkey

Metrics

Publication: 61

Citation (WoS): 197

Citation (Scopus): 203

H-Index (WoS): 8

H-Index (Scopus): 8

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

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, TUBITAK, 1983 - 1983

Awards

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