

Personal Information

Email: burcu.kartal@istanbul.edu.tr

Education Information

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik, Turkey 2017 - Continues

Post Graduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik, Turkey 2015 - 2017

Under Graduate, İstanbul Üniversitesi, Faculty of Science, Moleküler Biyoloji Ve Genetik, Turkey 2011 - 2015

Certificates, Courses and Trainings

Vocational Training, Advanced Proteomics Workflow Solution, Gebze Teknik Üniversitesi, 2019

Dissertations

Post Graduate, Schizosaccharomyces pombe'DE TIAMİNİN STRES YANITI ÜZERİNDEKİ ETKİSİNİN ARAŞTIRILMASI, İstanbul University, Institute of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik, 2017

Research Areas

Life Sciences, Molecular Biology and Genetics, Genetic Engineering, Natural Sciences

Academic Titles / Tasks

Research Assistant, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Moleküler Biyoloji Ve Genetik, 2018 - Continues

Research Assistant, Alanya Alaaddin Keykubat Üniversitesi, Mühendislik Fakültesi, Genetik Ve Biyomühendislik, 2017 - 2018

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

- **A Genome-Wide Screen for Wortmannin-Resistant Mutants in Schizosaccharomyces pombe: The Phosphorylation-Impaired Mutants Are Resistant to Signaling Defect**
Yilmazer M., Kartal B., Tarhan C., Ozarabaci I., Akcaalan S., Ozkan E., Uzuner S. K. , Arican E., Palabiyik B.
DNA AND CELL BIOLOGY, vol.38, pp.1427-1436, 2019 (Journal Indexed in SCI)
- **Iron regulates hexose transporters in Schizosaccharomyces pombe**
Ozkan E., Kartal B., Yilmazer M., Palabiyik B.
JOURNAL OF BASIC MICROBIOLOGY, vol.59, pp.458-464, 2019 (Journal Indexed in SCI)
- **Thiamine leads to oxidative stress resistance via regulation of the glucose metabolism**
Kartal B., Palabiyik B.
CELLULAR AND MOLECULAR BIOLOGY, vol.65, pp.73-77, 2019 (Journal Indexed in SCI)
- **Oxidative Stress Upregulates the Transcription of Genes Involved in Thiamine Metabolism**
Kartal B., Akcay A., Palabiyik B.
TURKISH JOURNAL OF BIOLOGY, vol.42, pp.447-452, 2018 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **A genome-wide screen for wortmannin and hydrogen peroxide resistant mutants in *Schizosaccharomyces pombe***
Yılmaz M., Kartal B., Tarhan Ç., Özarabacı İ., Akçaalan S., Özkan E., Karaer Uzuner S., Arıcan E., Palabıyk B.
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 Eylül 2019, vol.1, no.1, pp.163
- **A genome-wide screening of fluconazole resistant mutants in *Schizosaccharomyces pombe***
KARTAL B., YILMAZER M., PALABIYK B.
7th International Congress of the Molecular Biology Association of Turkey, İstanbul, Turkey, 27 - 29 September 2019, vol.43, no.5, pp.87
- **Thiamine-mediated cellular stress response related to glucose metabolism in *Schizosaccharomyces pombe*.**
KARTAL B., PALABIYK B.
6th International Congress on Molecular Biology and Biotechnology, Afyon, Turkey, 22 - 25 December 2017, pp.43
- **Hücrel stres yanıtlarında ve metabolizmada tiaminin (vitamin B1) rolü**
Kartal B., Palabıyk B.
6. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Adana, Turkey, 5 - 07 Ekim 2017, vol.1, no.1, pp.179
- **Tiaminin Oksidatif Stres Yanıtı Üzerindeki Rolünün Araştırılması**
KARTAL B., PALABIYK B.
18. Ulusal Biyoteknoloji Kongresi, Konya, Turkey, 18 - 19 December 2015, pp.250

Supported Projects

Kartal B., Palabıyk B., Project Supported by Higher Education Institutions, *Schizosaccharomyces pombe*'de Tiaminin Stres Yanıtı Üzerindeki Etkisinin Araştırılması, 2016 - 2017

Kartal B., Palabıyk B., TÜBİTAK Project, INVESTIGATION OF THE ROLE OF GLUCOSE AND THIAMINE ON GLUCOSE METABOLISM AND OXIDATIVE STRESS RESPONSE IN *Schizosaccharomyces pombe*, 2014 - 2015

Invited Congress and Symposium Activities

III. Biyoteknoloji Vizyon Zirvesi, Attendee, İstanbul, Turkey, 2019

7th International Congress of the Molecular Biology Association of Turkey, Attendee, İstanbul, Turkey, 2019

6th International Congress on Molecular Biology and Biotechnology, Attendee, Afyon, Turkey, 2017

6. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Attendee, Adana, Turkey, 2017

Thermo Fisher Scientific Days, Audience, İstanbul, Turkey, 2017

18. Ulusal Biyoteknoloji Kongresi, Attendee, Konya, Turkey, 2015

Citations

Total Citations (WOS):3

h-index (WOS):1