



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

- I. **A comparative study of the effects of gutta-percha solvents on human osteoblasts and murine fibroblasts**  
Gundogan G. I., Durmus S., Ozturk G. C., Kucukyesil N., Acar Y. T., Balaban R., Kig C.  
AUSTRALIAN ENDODONTIC JOURNAL, vol.47, no.3, pp.569-579, 2021 (SCI-Expanded)
- II. **Selective and oxidative stress-mediated cell death of MCF-7 cell line induced by terpinolene**  
Kig C., Mertoglu E., Caliskan A., Ağuş H. H., Ucar E. O., Guler V.  
BIOLOGIA, vol.76, no.9, pp.2757-2766, 2021 (SCI-Expanded)
- III. **Association between active pulmonary tuberculosis and circulating microRNAs: a preliminary study from Turkey**  
Kalayci Yuksek F., Kig C., Ortakoylu G., Uzun M.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.4, pp.1894-1904, 2021 (SCI-Expanded)
- IV. **Autophagy as a molecular target for cancer treatment**  
Kocaturk N. M., Akkoc Y., Kig C., Bayraktar O., Gozuacik D., Kutlu O.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.134, pp.116-137, 2019 (SCI-Expanded)
- V. **RACK1 Is an Interaction Partner of ATG5 and a Novel Regulator of Autophagy**  
Erbil S., Oral O., Mitou G., Kig C., Durmaz-Timucin E., Guven-Maiorov E., Gulacti F., Gokce G., Dengjel J., SEZERMAN O. U., et al.  
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.291, no.32, pp.16753-16765, 2016 (SCI-Expanded)
- VI. **MELK-T1, a small-molecule inhibitor of protein kinase MELK, decreases DNA-damage tolerance in proliferating cancer cells**  
Beke L., Kig C., Linders J. T. M., Boens S., Boeckx A., van Heerde E., Parade M., De Bondt A., Van den Wyngaert I., Bashir T., et al.  
BIOSCIENCE REPORTS, vol.35, 2015 (SCI-Expanded)
- VII. **MELK-Dependent FOXM1 Phosphorylation is Essential for Proliferation of Glioma Stem Cells**  
Joshi K., Banasavadi-Siddegowda Y., Mo X., Kim S., Mao P., Kig C., Nardini D., Sobol R. W., Chow L. M. L., Kornblum H. I., et al.  
STEM CELLS, vol.31, no.6, pp.1051-1063, 2013 (SCI-Expanded)
- VIII. **Investigation of the Relationship Between Oxidative Stress and Glucose Signaling in Schizosaccharomyces pombe**  
Palabiyik B., Kig C., Pekmez M., Dalyan L., Arda N., Temizkan G.  
BIOCHEMICAL GENETICS, vol.50, no.5-6, pp.336-349, 2012 (SCI-Expanded)
- IX. **Nitric oxide as a signaling molecule in the fission yeast Schizosaccharomyces pombe**  
Kig C., Temizkan G.  
PROTOPLASMA, vol.238, no.1-4, pp.59-66, 2009 (SCI-Expanded)
- X. **Hydrogen peroxide-induced oxidative damages in Schizosaccharomyces pombe**  
Pekmez M., Arda N., Hamad I., Kig C., Temizkan G.  
BIOLOGIA, vol.63, no.2, pp.151-155, 2008 (SCI-Expanded)
- XI. **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)
- XII. **Regulation of the expression of ade2 gene in fission yeast.**  
Temizkan G., Gunel T., Kig C., Karaer S.  
YEAST, vol.18, 2001 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Metformin-induced and Mitochondrial Stress-mediated Apoptosis in Schizosaccharomyces pombe**  
Agus H. H., kig c., Kaçmaz M.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.11, no.1, pp.174-182, 2024 (Peer-Reviewed Journal)

- II. **Investigation of dehydroepiandrosterone induced in vitro physiological effects in human endothelial and ovarian cancer cells**  
GÜNDOĞAN G. İ., KIĞ C., KARACAN M., DOĞRUMAN H.  
Turkish Journal of Pharmaceutical Sciences, vol.18, no.02, pp.185-191, 2021 (ESCI)
- III. **Choice of implant surface-feature may affect the viability of the attached cells**  
GÜNDOĞAN G. İ., CIVAK T., KIĞ C.  
Experimed, 2021 (Peer-Reviewed Journal)
- IV. **In vitro physiological effects of betahistine on cell lines from different origins**  
KEPEKÇİ A. H., KIĞ C., GÜNDOĞAN G. İ.  
Turkish Journal of Pharmaceutical Sciences, vol.18, no.2, pp.140-145, 2021 (ESCI)
- V. **Is Month of Birth an Important Factor for Sensitization to Inhalant Allergens in Patients with Symptoms Similar to Allergic Rhinitis?**  
KEPEKÇİ A. H., KIĞ C.  
Online Türk Sağlık Bilimleri Dergisi, vol.4, no.3, pp.262-272, 2019 (Peer-Reviewed Journal)
- VI. **Inter-retrotransposon polymorphism polymerase chain reaction as a tool for screening HERV polymorphisms in nasal mucosal swabs**  
Kepekci A. H., Ibisoglu M. S., Yilmaz S., Kig C.  
ENT UPDATES, vol.9, no.2, pp.159-165, 2019 (ESCI)
- VII. **Metformin Reduces the Extent of Varicocele-Induced Damage in Testicular Tissue**  
ERDEM E., ORDUERİ N. E., USTA A., KIĞ C., KARACAN M.  
Global Journal of Reproductive Medicine, vol.6, no.4, 2019 (Peer-Reviewed Journal)
- VIII. **Analysis of inhalant allergen sensitivity by age groups in patients from Istanbul**  
KEPEKÇİ A. H., KIĞ C.  
BIOMEDICAL RESEARCH, 2019 (Peer-Reviewed Journal)
- IX. **The evaluation of malignant mucosal melanoma of nasal cavity with a rare occasion.**  
KEPEKÇİ A. H., KIĞ C., GÜNDOĞAN G. İ.  
INTERNATIONAL JOURNAL OF PHYSIOLOGY, PATHOPHYSIOLOGY AND PHARMACOLOGY, vol.10, no.4, pp.139-143, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Biyofilmler: Bakteriler bir araya gelince, toplaşınca**  
KÜÇÜKER A. M., UZUN M., YUMUK Z., KIĞ C.  
in: Yeni Mikrobiyoloji: Mikrobiyomlardan CRISPR Savunma Sistemine, Pascale Cossart, Editor, Nobel Tıp, İstanbul, pp.1-60, 2019
- II. **Kültürdeki Hücrelere Nükleik Asit Moleküllerinin Aktarılması**  
Kiğ C.  
in: Hücre Kültürüne Yeni Başlayanlar İçin Püf Noktaları, Gül İpek Gündoğan, Editor, Nobel Tıp Kitapevi, İstanbul, pp.131-144, 2018
- III. **Erkek Onkoloji Hastasında Testiküler Rezervin Değerlendirilmesi**  
ARIKAN M. G., ARIKAN A., ARIKAN H., Arvas A., BAKSU A., BAKSU N. B., Çamlıbel T., Çebi Z., ERDEM E., GÜNDOĞAN G. İ., et al.  
in: Çocukluk ve Adolesan Çağı Kanser Hastalarında Onkofertilite (Pediatric and Adolescent Oncofertility), Doç. Dr. Meriç Karacan, Editor, Nobel Tıp Kitapevleri, İstanbul, pp.143-152, 2018
- IV. **Protein A veya Protein G Bağlı Sefaroz Boncuklarla İmmün Çöktürme**  
Kiğ C.  
in: Temel Ve İleri Moleküler Biyoloji Yöntemleri Genomik Ve Proteomik Analizler., Güler Temizkan, Nazlı Arda, Editor, Nobel Tıp Kitapevi, İstanbul, pp.495-501, 2017
- V. **Replikasyon Kinetiği Analizi**  
Kiğ C.

in: Temel Ve İleri Moleküler Biyoloji Yöntemleri Genomik Ve Proteomik Analizler,, Güler Temizkan,Nazlı Arda, Editor, Nobel Tıp Kitapevi, İstanbul, pp.93-101, 2017

#### VI. **Cell Death and Autophagy: A Historical Perspective**

Kığ C.

in: Cell Death 1994-2014 (ICDS- 20th Anniversary Book), Richard Lockshin and Zahra Zakeri, Editor, International Cell Death Society, New York, pp.222-244, 2015

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **HERV polymorphisms: a potential diagnostic marker for nasal polyposis**  
KEPEKÇİ A. H., İbişoğlu M. S., YILMAZ S., KIĞ C.  
EurasianBioChem 2019, 28 - 29 June 2019, pp.702
- II. **Functions of PP1-NIPP1 in cell cycle progression**  
Winkler C., Kig C., Lesage B., Beullens M., Van Eynde A., Bollen M.  
ASCB/IFCB Meeting, Pennsylvania, United States Of America, 6 - 10 December 2014, vol.25
- III. **JNJ-47117096, a selective small molecule inhibitor of the MELK oncogene decreases DNA damage tolerance in highly proliferating cancer cells**  
Beke L., Linders J. T. M., Kig C., Boeckx A., van Heerde E., Wuyts D., Parade M., Meerpoel L., Johnson C., Beullens M., et al.  
105th Annual Meeting of the American-Association-for-Cancer-Research (AACR), California, United States Of America, 5 - 09 April 2014, vol.74
- IV. **Oxidative stress parameters in the yeast Schizosaccharomyces pombe**  
Pekmez M., Arda N., Hamad I., Kig C., Temizkan G.  
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.165
- V. **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**

Kığ C., Pekmez M., Perçin Özkorucuklu S., Yıldırım Baştemur G., Project Supported by Higher Education Institutions, Developing a quantum dot-based probe model for direct labeling of lectins in molecular biological analysis, 2023 - 2025  
Kığ C., Ağuş H. H., TUBITAK Project, Schizosaccharomyces pombe türü maya hücrelerinin apoptoz ve otofaji modeli olarak geliştirilmesi ve bazisenteetik ve bitkisel kaynaklı potansiyel anti-kanser ilaç adaylarının hücrel ve biyokimyasal etki mekanizmalarının anlaşılması, 2019 - 2020  
Kığ C., TUBITAK Project, Terpinolen Molekülünün Östrojen Bağımlı ER (MCF-7 ve ZR-75-1) Meme Kanseri Hücrelerinde Programlı Hücre Ölümüne Etkilerinin Araştırılması, 2018 - 2019  
Kığ C., Gözüaçık D., TUBITAK Project, Protein Kinaz C delta nın PKC ve mikroRNA376 ailesinin iskemi bağlantılı sinir hücreleri otofajisindeki rollerinin araştırılması Proje No 114C061, 2014 - 2016

### **Metrics**

Publication: 33

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