

# Asst. Prof. YÜKSEL ÖĞÜNÇ KEÇECİ

## Personal Information

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## International Researcher IDs

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## Education

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, BİYOKİMYA ANABİLİM DALI, Turkey 2015 - 2021

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Biyokimya (YI) (Tezli), Turkey 2013 - 2015

Undergraduate, Akdeniz University, Fen Fakültesi, Kimya Bölümü, Turkey 2007 - 2011

## Dissertations

Doctorate, Hipoksi koşullarda kanser hücrelerinin glukoz metabolizması ve apoptozunun incelenmesi, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2021

Postgraduate, Hedeflendirilmiş kanser tedavisinde vinkristin ve  $\epsilon$ -viniferin yüklü polimerik nanopartiküllerin hazırlanması, karakterizasyonu ve in vitro uygulamaları, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Biyokimya (YI) (Tezli), 2015

## Research Areas

Health Sciences, Natural Sciences

## Academic Positions

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2023 - Continues

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2013 - 2023

## Courses

### Postgraduate

Biyomoleküller, Postgraduate, 2024 - 2025

Metabolizma I, Postgraduate, 2023 - 2024

### Undergraduate

Beslenme Biyokimyası I, Undergraduate, 2024 - 2025

Mezuniyet Projesi I, Undergraduate, 2024 - 2025

Moleküler Biyoloji, Undergraduate, 2024 - 2025

Biyokimya, Undergraduate, 2024 - 2025  
Kanıtı Dayalı Eczacılık ve Araştırma IV, Undergraduate, 2024 - 2025  
Genel Biyoloji, Undergraduate, 2022 - 2023  
Moleküler Biyoloji, Undergraduate, 2023 - 2024  
Kanıtı Dayalı Eczacılık ve Araştırma IV, Undergraduate, 2021 - 2022  
Mezuniyet Projesi II, Undergraduate, 2021 - 2022  
Biyokimya Uygulamaları (B), Undergraduate, 2021 - 2022  
Biyokimya Uygulamaları (A), Undergraduate, 2021 - 2022  
Mezuniyet Projesi I, Undergraduate, 2021 - 2022  
**Associate Degree**  
Klinik Biyokimya ve Uygulamaları, Associate Degree, 2024 - 2025  
Klinik Biyokimya ve Uygulamaları, Associate Degree, 2021 - 2022

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Aglycemia induces apoptosis under hypoxic conditions in A549 cells**  
ÖĞÜNÇ KEÇECİ Y., Incesu Z.  
CELL BIOCHEMISTRY AND FUNCTION, vol.42, no.2, 2024 (SCI-Expanded)
- II. **Mitochondrial oxidative phosphorylation became functional under aglycemic hypoxia conditions in A549 cells**  
ÖĞÜNÇ KEÇECİ Y., Incesu Z.  
MOLECULAR BIOLOGY REPORTS, vol.49, no.9, pp.8219-8228, 2022 (SCI-Expanded)
- III. **Resveratrol increases the sensitivity of breast cancer MDA-MB-231 cell line to cisplatin by regulating intrinsic apoptosis**  
ÖZDEMİR F., Sever A., ÖĞÜNÇ KEÇECİ Y., Incesu Z.  
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.24, no.1, pp.66-72, 2020 (SCI-Expanded)
- IV. **Apoptotic effects of epsilon-viniferin in combination with cis-platin in C6 cells**  
ÖZDEMİR F., Apaydin E., Onder N. I., Sen M., Ayrim A., ÖĞÜNÇ KEÇECİ Y., Incesu Z.  
CYTOTECHNOLOGY, no.3, pp.1061-1073, 2018 (SCI-Expanded)
- V. **ALTERATIONS IN mRNA EXPRESSION OF APOPTOSIS-RELATED GENES AFTER TREATMENT OF SKOV-3 CELLS WITH CARDAMONIN**  
Sari-Kilicaslan S. M., ÖĞÜNÇ KEÇECİ Y., Apaydin E., Incesu Z.  
FRESENIUS ENVIRONMENTAL BULLETIN, no.12A, pp.8787-8795, 2018 (SCI-Expanded)
- VI. **Vincristine and ε-viniferine-loaded PLGA-b-PEG nanoparticles: pharmaceutical characteristics, cellular uptake and cytotoxicity**  
Ogunc Y., DEMİREL M., YAKAR A., Incesu Z.  
JOURNAL OF MICROENCAPSULATION, no.1, pp.38-46, 2017 (SCI-Expanded)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Effect of different metabolic conditions on lactic acid production of A549 lung cancer cells**  
ÖĞÜNÇ KEÇECİ Y., SELLER Z.  
II. International Halich Congress on Multidisciplinary Scientific Research, İstanbul, Turkey, 29 October 2021, (Summary Text)
- II. **The effect of different metabolic conditions in hypoxia on caspase-3 activity of A549 cell line**  
ÖĞÜNÇ KEÇECİ Y., SELLER Z.  
MAS 15th International European Conference on Mathematics, Engineering, Natural&Medical Sciences, Adana, Turkey, 07 August 2021, (Summary Text)
- III. **Effects of the combination of [curcumin+carboplatin] on caspase-3 activity and mitochondrial**

**membrane potential in A549 cell line**

ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., SELLER Z.

3th International Aegean Symposiums on Natural & Medical Sciences, İzmir, Turkey, 12 - 13 March 2021, (Summary Text)

- IV. **Apoptotic effects of carboplatin, curcumin and their combinations on lung cancer**  
ÖĞÜNÇ KEÇECİ Y., ÖZDEMİR F., SELLER Z.  
3. International Aegean Symposiums on Natural & Medical Sciences, İzmir, Turkey, 12 - 13 March 2021, (Summary Text)
- V. **Effects of [Curcumin+Carboplatin] Combination on Caspase-3 Activity and Mitochondrial Membrane Potential in A549 Cell Line.**  
ÖZDEMİR F., ÖĞÜNÇ KEÇECİ Y., SELLER Z.  
International Aegean Symposium on Natural & Medical Sciences., Turkey, 12 March 2021, (Summary Text)
- VI. **Apoptotic effects of folate-conjugated PLGA- PEG nanoparticles loaded with dual agents on HepG2 cells**  
ÖĞÜNÇ KEÇECİ Y., DEMİREL M., SELLER Z.  
The 44th FEBS Congress, Krakow, Poland, 6 - 11 July 2019, vol.9, pp.65-431
- VII. **Caspase Activation and Mitochondrial Membrane Potential on Combination of Cisplatin with Resveratrol in Breast Cancer**  
Sever A., ÖZDEMİR F., ÖĞÜNÇ Y., SELLER Z.  
4. International Congress on Applied Biological Sciences (ICABS), 3 - 05 May 2018, (Summary Text)
- VIII. **Synthesis and Characterizations of Folate-Conjugated PLGA-PEG Nanoparticles Loaded with Dual Agents**  
ÖĞÜNÇ Y., DEMİREL M., İNCESU Z.  
2nd International Conference on Natural Products for Cancer Prevention and Therapy, Kayseri, Turkey, 8 - 11 November 2017, (Summary Text)
- IX. **SKOV 3 cells binding to fibronectin induce mitochondrial apoptotic pathway after stimulation of endoplasmic reticulum stress**  
ÖĞÜNÇ Y., AYRIM A., SELLER Z.  
6. multidisipliner kanser araştırma kongresi, Konya, Turkey, 27 - 30 October 2016
- X. **Characterization of vincristine sulfate and viniferine loaded polymeric nanoparticles and cell viability studies**  
ÖĞÜNÇ Y., DEMİREL M., SELLER Z.  
International Multidisciplinary Symposium On Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015
- XI. **Characterization of Vincristine Sulfate and Viniferine Loaded Polymeric Nanoparticles and Cell Viability Studies**  
ÖĞÜNÇ Y., DEMİREL M., İNCESU Z.  
15 International Multidisciplinary Symposium on Drug Research and Development, Turkey, 15 - 17 October 2015
- XII. **Preparation and in vitro characterization of viniferine and vincristine sulfate loaded PLGA b PEG nanoparticles**  
ÖĞÜNÇ Y., DEMİREL M., YAKAR A., SELLER Z.  
1st International Conference on Natural Products for Cancer Prevention and Therapy, İstanbul, Turkey, 31 August - 02 September 2015
- XIII. **Preparation and in vitro characterization of e viniferine and vincristine sulfate loaded PLGA b PEG nanoparticles**  
ÖĞÜNÇ Y., DEMİREL M., YAKAR A., SELLER Z.  
International Conference on Natural Products for Cancer Prevention and Therapy, 31 August - 02 September 2015
- XIV. **Kanserde Apoptoz Yolağının Doğal Bileşikler İle Hedeflenmesi**  
ÖĞÜNÇ Y., SELLER Z.  
Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Afyon, Turkey, 21 - 24 August 2015
- XV. **Endoplazmik Retikulum Stresinin İndüklediği Apoptoz Mekanizması**

ÖĞÜNÇ Y., SELLER Z.

Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Afyon, Turkey, 21 - 24 August 2015

## Funded Projects

ÖĞÜNÇ KEÇECİ Y., Project Supported by Higher Education Institutions, A549 hücrelerinde hipoksi koşullarının apoptoza olan etkilerinin incelenmesi, 2019 - 2022

ÖĞÜNÇ KEÇECİ Y., Project Supported by Higher Education Institutions, Hipoksi koşullarda kanser hücrelerinin glukoz metabolizması ve apoptozunun incelenmesi, 2019 - 2022

Sarı Kılıçaslan S. M., Seller Z., TÜBİTAK Project, The relationship between CAPN-1/2 activity and cell migration ability in ovarian cancer cells adhered to fibronectin, 2018 - 2021

ÖĞÜNÇ KEÇECİ Y., ÖZDEMİR F., Project Supported by Higher Education Institutions, Akciğer Kanseri Kurkumin ve Karboplatin Kombinasyonunun Oksidatif Stres ve Apoptozdaki Rolü, 2018 - 2021

ÖĞÜNÇ KEÇECİ Y., ÖZDEMİR F., Project Supported by Higher Education Institutions, Meme Kanseri Resveratrol ve Cisplatin Kombine Uygulamasının Apoptozdaki Rolü, 2017 - 2019

ÖĞÜNÇ KEÇECİ Y., Project Supported by Higher Education Institutions, Ovaryum Kanseri Hücrelerinde Kalsiyum Mobilizasyonunun Apoptoz Üzerine Etkisi, 2017 - 2018

SARI KILIÇASLAN S. M., ÖĞÜNÇ KEÇECİ Y., Project Supported by Higher Education Institutions, İntegrin Aktivasyonu Sonrasında Kalsiyum-Bağımlı Apoptoz Mekanizmasının Ovaryum Kanseri Hücrelerinde İncelenmesi, 2013 - 2018

ÖĞÜNÇ KEÇECİ Y., SELLER Z., ÖZDEMİR F., DEMİREL M., Project Supported by Higher Education Institutions, Kombine Vinkristine ve Viniferin Yüklü Folik Asit Modified Plga Peg Nanopartikül Sentezi Karakterizasyonu ve in Vitro Ortamda Etkisi, 2016 - 2016

ÖĞÜNÇ KEÇECİ Y., SELLER Z., SARI KILIÇASLAN S. M., Project Supported by Higher Education Institutions, Kardomoninin PEO 1 insan ovaryum kanser hücreleri üzerine etkileri, 2014 - 2015

## Peer Reviews in Scientific Publications

Discover Oncology, Journal Indexed in SCI-E, November 2024

Discover Oncology, Journal Indexed in SCI-E, November 2024

Discover Oncology, Journal Indexed in SCI-E, October 2024

Istanbul Journal of Pharmacy, National Scientific Refreed Journal, May 2024

EUROPEAN JOURNAL OF LIFE SCIENCE, Other Journals, September 2023