

## Asst. Prof. IRMAK İÇEN TAŞKIN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Inonu University, Fen Bilimleri , Moleküler Biyoloji, Turkey 2011 - 2017

Doctorate, University of Illinois at Urbana-Champaign, Bioengineering, United States Of America 2014 - 2015

Postgraduate, Firat University, Fen Bilimleri , Moleküler Biyoloji, Turkey 2010 - 2011

Undergraduate, Dicle University, Faculty Of Arts And Sciences, Biyoloji, Turkey 2004 - 2008

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology

### Courses

SENTETİK BİYOLOJİ, Undergraduate Double Major, 2022-2023

İleri Memeli Hücre Kültürü, Undergraduate Double Major, 2019-2020

Genel Biyoloji Lab. I, Undergraduate, 2019-2020

Bitirme Çalışması I, Undergraduate, 2019-2020

Yapısal Biyoloji, Undergraduate, 2019-2020

Moleküler Biyoloji ve Genetige Giriş I, Undergraduate, 2019-2020

Moleküler Biyoloji ve Genetige Giriş II, Undergraduate, 2018-2019

Genetik Tanı, Undergraduate, 2018-2019

İleri Moleküler Biyoloji, Undergraduate Double Major, 2018-2019

Biyoteknoloji, Undergraduate, 2018-2019

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

- I. **Expression of sirtuins 1 in placenta, umbilical cord, and maternal serum of patients diagnosed with placenta accreta spectrum.**  
Taskin I., Gurbuz S., Icen M. S., Derin D. C., Findik F. M., Deveci E.  
Revista da Associacao Medica Brasileira (1992), vol.70, no.8, 2024 (SCI-Expanded)
- II. **The roles of SFKs in the regulation of proinflammatory cytokines and NLRP3 in familial mediterranean fever patients.**  
İçen Taşkın I., Gürbüz S., Koç A., Kocabay S., Yolbaş S., Keser M. F.  
Cytokine, vol.179, pp.156615, 2024 (SCI-Expanded)
- III. **Designing of rapid assay for the detection of RdRp/Orf1ab specific to SARS-CoV-2.**

- Derin D., Gültekin E., Taşkın I., Otlu B., Öktem H. A.  
Journal of virological methods, vol.320, pp.114774, 2023 (SCI-Expanded)
- IV. **Expression of sirtuin 2 and 7 in placenta accreta spectrum.**  
Taskin I., Gurbuz S., Icen M. S., Derin D., Findik F. M.  
Revista da Associacao Medica Brasileira (1992), vol.69, no.8, 2023 (SCI-Expanded)
- V. **Elevated Expression of ADAMTS-12 in Maternal and Umbilical Cord Serum of Placenta Accreta Spectrum.**  
Icen Taskin I.  
Fetal and pediatric pathology, vol.42, no.4, pp.642-650, 2023 (SCI-Expanded)
- VI. **Development of nucleic acid based lateral flow assays for SARS-CoV-2 detection.**  
Çam Derin D., Gültekin E., İcen Taşkın I., Yakupoğulları Y.  
Journal of bioscience and bioengineering, vol.135, no.2, pp.87-92, 2023 (SCI-Expanded)
- VII. **TP53 rs1042522 polymorphism and early-onset breast cancer**  
İÇEN TAŞKIN I., Irtegün kandemir S., Munzuroglu O.  
JOURNAL OF RESEARCH IN MEDICAL SCIENCES, vol.1, no.25, pp.1-5, 2020 (SCI-Expanded)
- VIII. **mRNA Expression Profile of SFKs and Involvement of SFKs in the Regulation of LPS-Induced Erk1/2 Signaling in PBMCs of Active BD Patients**  
Irtegun-Kandemir S., İÇEN TAŞKIN I., BOZKURT M., Kalkanli-Tas S.  
ENDOCRINE METABOLIC & IMMUNE DISORDERS-DRUG TARGETS, vol.19, no.6, pp.809-817, 2019 (SCI-Expanded)
- IX. **Genetic engineering of Theileria parva lactate dehydrogenase gene: a new anti-theilerial target**  
Icen-Taskin I., Munzuroglu O., GEÇKİL H.  
PESQUISA VETERINARIA BRASILEIRA, vol.38, no.5, pp.883-888, 2018 (SCI-Expanded)
- X. **Polymorphism in the second intron of the FGFR2 gene rs1219648 associated with the early-onset breast cancer in Turkish population**  
İÇEN TAŞKIN I.  
INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.10, no.7, pp.10989-10994, 2017 (SCI-Expanded)
- XI. **Molecular Modeling, Structural Analysis and Evaluation of 1-Deoxy-D-Xylulose-5-Phosphate Reductoisomerase (DXR) as a Putative Drug Target For Theileria Parva**  
Icen-Taskin I., Munzuroglu O.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.60, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation the Cytotoxic and Antimicrobial Effect of Ranunculus Poluninii**  
MENEVŞE İ. N., Icen Taskin I., YILMAZ SANCAR P., Kurşat M.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.13, no.2, pp.393-399, 2024 (Peer-Reviewed Journal)
- II. **In Vitro Cytotoxic Effects of Some Fumaria L. (Papaveraceae) Species Methanolic Extracts on Cancer Cell Lines**  
SANCAR P. Y., TAŞKIN I. İ.  
Türk Doğa ve Fen Dergisi, vol.13, no.2, pp.25-29, 2024 (Peer-Reviewed Journal)
- III. **COMPARISON SEROPREVALENCE OF TOXOPLASMA GONDII, RUBELLA, AND CYTOMEGALOVIRUS IN MUŞ PROVINCE BEFORE AND DURING THE COVID-19 PANDEMİC**  
KÖRKOCA A., TAŞKIN I. İ.  
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, vol.12, no.2, pp.511-520, 2024 (Peer-Reviewed Journal)
- IV. **Investigation of the cytotoxic effect of Lallelantia Fisch. & C.A. Mey. species growing in Türkiye on various cancer cell lines**  
Çelik A. K., YILMAZ SANCAR P., Icen Taskin I., Kurşat M.  
Artvin Çoruh Üniversitesi Orman Fakültesi Dergisi, vol.25, no.1, pp.104-110, 2024 (Peer-Reviewed Journal)

- V. **Screening of Potential Probiotic Properties of Lactobacillus and Lactococcus strains**  
Kocabay S., İçen Taşkın I.  
RESEARCH JOURNAL OF BIOTECHNOLOGY, vol.17, no.1, pp.119-126, 2022 (ESCI)
- VI. **Phylogenetic analysis for endemic Fritillaria baskilensis Behçet (Liliaceae): Evidence from cpDNA “trn” sequences**  
YILMAZ SANCAR P., İcen Taskin I., Kurşat M., MUNZUROĞLU Ö.  
Biological Diversity and Conservation, vol.14, no.3, pp.431-441, 2021 (Peer-Reviewed Journal)
- VII. **Serum Level of ADAMTS4 and ADAMTS8 in Patients with Psoriatic Arthritis**  
İÇEN TAŞKIN I., Kandemir S. I., Nas K., Dagli A. Z.  
ERCIYES MEDICAL JOURNAL, vol.43, no.1, pp.20-25, 2021 (ESCI)
- VIII. **Altered Expression of ADAMTSs and HAPLNs in Preeclamptic Placenta**  
Kandemir S. I., Taskin I., Pektanc G., Tekin M. A., Demircan K.  
ERCIYES MEDICAL JOURNAL, vol.40, no.2, pp.87-92, 2018 (ESCI)
- IX. **Evaluation of theileria parva enolase as a target for designing new generation antiheilerial drug**  
İÇEN TAŞKIN I.  
Journal of Science and Tecnology, vol.7, no.1, pp.16-21, 2017 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Detection of 2019-nCoV2 of SARS CoV2 by Lateral Flow Assay**  
Çam Derin D., Gültekin E., İçen Taşkın I., Otlu B.  
4. EBAT, Antalya, Turkey, 3 - 06 November 2022, pp.15-16
- II. **Nucleic Acid Based SARS CoV-2 Detection by Lateral Flow Test**  
Gültekin E., Çam Derin D., İçen Taşkın I.  
4. EBAT, Antalya, Turkey, 3 - 06 November 2022, pp.16-17
- III. **Screening Of Potential Probiotic Properties Of Lactobacillus helveticus and Lactobacillus plantarum in Low pH**  
KOCABAY S., İÇEN TAŞKIN I.  
3rd International Eurasian Conference on Biological and Chemical Sciences(EurasianBioChem 2020), 19 - 20 March 2020
- IV. **Screening Of Potential Probiotic Properties Of Lactobacillus helveticus and Lactobacillus plantarum in Low pH**  
KOCABAY S., İÇEN TAŞKIN I.  
3rd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 19 - 20 March 2020, pp.1
- V. **SERUM LEVEL OF PLAP-1 IN PSORIATIC ARTHRITIS PATIENTS**  
İÇEN TAŞKIN I., İrtegin Kandemir S., Nas K.  
International Health Sciences Conference (IHSC 2019), Diyarbakır, Turkey, 6 - 08 November 2019, pp.523-527
- VI. **Evaluating the Serum Level of the ADAMTS-4 and ADAMTS-8 in PsA Patients As New Diagnostic Biomarker**  
İÇEN TAŞKIN I., İrtegin Kandemir S., Nas K.  
International Molecular Medicine Symposium by the Bosphorus, İstanbul, Turkey, 16 - 18 May 2019
- VII. **mRNA expression level of ADAMTS-8 and its regulation in peripheral blood mononuclear cells of patients with psoriasis and psoriatic arthritis**  
İÇEN TAŞKIN I., Tekin M. A., Pektanc G., Nas K., Akçora Yıldız D., Sula B., İrtegin Kandemir S.  
2nd International Congress on Advances in Bioscience and Biotechnology, 26 June 2018 - 30 June 2011
- VIII. **Association of SNP rs1042522 in TP53 gene with Premenopausal Breast Cancer in Turkish Population**  
İÇEN TAŞKIN I., Tekin M. A., Pektanc G., Munzuroğlu Ö., İrtegin Kandemir S.  
2nd International Congress on Advances in Bioscience and Biotechnology, 26 - 30 June 2018

- IX. Heterologous Microbial Biosynthesis of Herbal Antioxidant Resveratrol**  
Çelik V., İÇEN TAŞKIN I., Lu T.  
1. INTERNATIONAL GAP AGRICULTURE LIVESTOCK CONGRESS, Şanlıurfa, Turkey, 25 - 27 April 2018
- X. Psoriatik Artrit Hastalarının Periferik Kan Mononükleer Hücrelerinde Trombospondin Motifli Disintegrin Benzeri Matris Metalloproteinaz Genlerinin mRNA Ekspresyon Düzeylerinin Araştırılması**  
İrtegin Kandemir S., Tekin M. A., Pektanc G., İÇEN TAŞKIN I., Nas K., Çevik R., Sula B.  
Uluslararası Katılımlı Türk Romatoloji Kongresi, Bafra, Cyprus (Kktc), 28 March - 01 April 2018
- XI. DIFFERENTIAL EXPRESSION PATTERNS OF ADAMTSS AND HAPLNS IN PREECLAMPSIA**  
İÇEN TAŞKIN I.  
VI. International Congress of Molecular Medicine, İstanbul, Turkey, 22 - 25 May 2017, pp.1-2
- XII. Polymorphism In Fibroblast Growth Factor Receptor 2 (FGFR2) Contribute To Susceptibility Of Early Onset Breast Cancer In Turkish Women**  
İÇEN TAŞKIN I., Tekin M. A., Pektanc G., Munzuroğlu Ö., İrtegin Kandemir S.  
Engineering Technology, Computer, Basics Applied Sciences” (ECBA-2016), Atina, Greece, 19 - 20 November 2016
- XIII. Molecular modeling, structural analysis and identification of ligand binding Sites Of 1-Deoxy-D-Xylulose-5-Phosphate Reductoisomerase (DXR) Of Theileria Parva: A Potential Target For Anti-Theilerial Drug Discovery**  
İÇEN TAŞKIN I., Munzuroğlu Ö.  
41st FEBS, Antalya, Turkey, 3 - 08 September 2016
- XIV. In Silico Analysis And Homology Modelling Of Theileria Parva Enolase As A New Drug Target**  
İÇEN TAŞKIN I., Munzuroğlu Ö.  
4th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 13 - 15 August 2016
- XV. Expression of gene encoding Theileria parva enolase in Escherichia coli JM103 strain**  
Çelik V., İÇEN I., Pelle R., Munzuroglu O., Geçkil H.  
European Biotechnology Congresses, 28 September - 01 October 2011
- XVI. Expression of gene encoding Theileria parva enolase in Escherichia coli JM103 strain**  
Çelik V., İÇEN TAŞKIN I., Pelle R., Munzuroğlu Ö., GEÇKİL H.  
European Biotechnology Congresses, İstanbul, Turkey, 25 September - 01 October 2011
- XVII. A New Candidate For Antitheilerial Target: Isolation, Cloning and Sequence Analysis of Gene Encoding The Enolase Enzyme From Theileria parva**  
Çelik V., İÇEN TAŞKIN I., Pelle R., Giray Kurt A., Munzuroğlu Ö., GEÇKİL H.  
36th FEBS Congress Biochemistry for Tomorrow Medicine, Torino, Italy, 25 - 30 June 2011
- XVIII. Isolation, Cloning and Sequence Analysis of Gene Encoding The Lactate Dehydrogenase Enzyme From Theileria parva**  
İÇEN TAŞKIN I., Çelik V., Pelle R., Aytan E., Aytan E., Munzuroğlu Ö., GEÇKİL H.  
FEBS, Torino, Italy, 25 - 30 June 2011
- XIX. Optimization and Comparison of Nested and Semi Nested PCR with Classic PCR For Isolation of Plasmodial Genes**  
Çelik V., İÇEN TAŞKIN I., Munzuroğlu Ö.  
International Symposium on Drug Research and Development, Antalya, Turkey, 27 - 29 May 2011
- XX. The Use of Site-Directed Mutagenesis For Removal of The Introns in Apicomplexan Genes: A New Approach for Gen Expression**  
İÇEN TAŞKIN I., Çelik V., Munzuroğlu Ö.  
International Symposium on Drug Research and Development, Antalya, Turkey, 27 - 29 May 2011

## Supported Projects

GÖK Y., İÇEN TAŞKIN I., DEMİRCİ Ö., Project Supported by Higher Education Institutions, Benzimidazol omurgasında elektron çekici grup içeren NHC Öncülleri Kalkojen ve Paladyum Komplekslerinin Sentezi Karakterizasyonu Enzim

İnhibisyon ve Antikanser Aktivitelerinin İncelenmesi, 2024 - Continues

İÇEN TAŞKIN I., SEVER M. R., Project Supported by Higher Education Institutions, Çölyak Hastalığı Teşhisinde IL-2 Tabanlı Hızlı Strip Tanı Testinin Geliştirilmesi, 2023 - Continues

İÇEN TAŞKIN I., AKTAŞ A., ÇAM DERİN D., HAROON M., Project Supported by Higher Education Institutions, Oksotiazolidin Ligandlı Rutenyum(II) Komplekslerinin Sentezi Karakterizasyonu ve Antikanser Aktivitelerinin İncelenmesi, 2023 - Continues

AKTAŞ A., GÜZEL A., İÇEN TAŞKIN I., SEVER M. R., YAVUZ K., Project Supported by Higher Education Institutions, Triflorometiltiyoeter Grubu İçeren Gümüş ve Rutenyum MetalNheterosiklik Karben MNHC Komplekslerinin Dizaynı Sentezi Karakterizasyonu ve Bazı Kanser Hücreleri Üzerindeki Antikanser Aktivitelerinin İncelenmesi, 2022 - Continues

KOCABAY S., İÇEN TAŞKIN I., AKKAYA B., Project Supported by Higher Education Institutions, Selektin moleküllerine karşı sülfatit ligandlarının taklit edilmesi: fucoidan -laurik asit kompleksi, 2021 - Continues

PAŞAHAN A., İÇEN TAŞKIN I., SEVER M. R., PAŞAHAN R., GÖK Y., DEMİRCİ Ö., Project Supported by Higher Education Institutions, Malign Beyin Tümörlerinin Tedavisi için MetalNHC Komplekslerinin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, 2022 - 2024

Dündar M., Otlu B., İÇEN TAŞKIN I., ÇAM DERİN D., TÜBİTAK Project, SARS CoV-2 (Covid 19)'ye özgü hızlı tanı strip test platformlarının geliştirilmesi, 2021 - 2024

AKTAŞ A., YAVUZ K., İÇEN TAŞKIN I., SEVER M. R., YILMAZ Ü., PAŞAHAN A., GÖK Y., GÜZEL A., KOLAÇ T., GÜRSES C., et al., Project Supported by Higher Education Institutions, Tiyol Grubu İçeren BenzimidazolFonksiyonlu N-heterosiklik Karben (NHC) Öncülleri ile Gümüş ve Rutenyum Metal Komplekslerinin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, 2020 - 2024

İÇEN TAŞKIN I., GÜRBÜZ S., Project Supported by Higher Education Institutions, Sirtuin 1'in Plasenta Previa Akreata Patogenezindeki Rollerinin Araştırılması, 2021 - 2022

ÇAM DERİN D., İÇEN TAŞKIN I., YAKUPOĞULLARI Y., Project Supported by Higher Education Institutions, Moleküler tabanlı COVID-19 hızlı tanı strip test geliştirilmesi, 2020 - 2022

İÇEN TAŞKIN I., KOÇ A., KOCABAY S., YOLBAŞ S., Project Supported by Higher Education Institutions, FMF Hastalarında SFK'ların Proinflamatuvar Sitokinler ve NLRP3 Regülasyonundaki Rollerinin Araştırılması, 2020 - 2022

## Metrics

Publication: 41

Citation (WoS): 6

Citation (Scopus): 1

H-Index (WoS): 2

H-Index (Scopus): 1