

# Prof. HAKKI TAŐTAN

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: EAL-6070-2022

ScopusID: 6603907048

Yoksis Researcher ID: 133992

## Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 1992 - 1998

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 1990 - 1992

Undergraduate, Ankara University, Fen Fakóltesi, Biyoloji Bölümü, Turkey 1985 - 1989

## Dissertations

Doctorate, Serim amiloid A proteinin insan dokularındaki ekspresyonu, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 1998

Postgraduate, Sađlıklı ve hastalıklı diřetlerinde fibroblastlar üzerine incelemeler, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 1992

## Research Areas

Health Sciences, Agricultural Sciences, Natural Sciences

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakóltesi, Biyoloji, 2015 - Continues

Professor, Gazi University, Fen Fakóltesi, Biyoloji, 2011 - Continues

Associate Professor, Ankara University, Fen Fakóltesi, Biyoloji Bölümü, 2009 - 2011

Assistant Professor, Ankara University, Fen Fakóltesi, Biyoloji Bölümü, 2006 - 2009

Research Assistant, Ankara University, Fen Fakóltesi, Biyoloji Bölümü, 1990 - 2006

## Academic and Administrative Experience

Head of Department, Gazi University, Fen Fakóltesi, Biyoloji, 2023 - Continues

Deputy Director of the Center, Gazi University, Arařtırma Ve Uygulama Merkezleri, 2009 - 2012

## Courses

KÖK HÜCRELERİ, Postgraduate, 2023 - 2024  
GENETİK MÜHENDİSLİĞİ, Undergraduate, 2023 - 2024  
DNA VE KRİMİNOLOJİ, Undergraduate, 2023 - 2024  
ARAŞTIRMA PROJESİ II, Undergraduate, 2023 - 2024  
MOLEKÜLER PATOLOJİ, Undergraduate, 2023 - 2024  
SIVI KROMOTOGRAFİK-KÜTLE SPEKTROMETRİK ANALİZLER, Undergraduate, 2023 - 2024  
ELİZA TESTİ VE KULLANIMI, Undergraduate, 2023 - 2024  
MOLEKÜLER GENETİK, Undergraduate, 2023 - 2024  
ARAŞTIRMA PROJESİ I , Undergraduate, 2023 - 2024  
MOLEKÜLER BİYOLOJİ, Undergraduate, 2023 - 2024  
BİYOLOJİ FELSEFESİ, Doctorate, 2023 - 2024

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

- I. **Identification of bioactive components on antihemorrhoidal activity of *Cistus laurifolius* L. using RP-HPLC and LC-QTOF-MS**  
PEKACAR S., Özüpek B., AKKOL E., TAŞTAN H., Ersan H., Orhan D. D.  
Journal of Ethnopharmacology, vol.319, 2024 (SCI-Expanded)
- II. **Prevention of Inflammation Initiation on Acetic Acid-Induced Ulcerative Colitis in Rats by *Malva nicaeensis* All.**  
Akkol E., Türkcanoğlu G., TAŞTAN H., Sobarzo-Sánchez E.  
Frontiers in bioscience (Landmark edition), vol.28, no.7, pp.142, 2023 (SCI-Expanded)
- III. **Whole exome sequence analysis in patients with non-ischemic dilated cardiomyopathy**  
SEZENÖZ B., Nurdan F., ERGÜN M. A., TAŞTAN H.  
ANATOLIAN JOURNAL OF CARDIOLOGY, vol.26, 2022 (SCI-Expanded)
- IV. **The Phytochemical Profile and Biological Activity of *Malva neglecta* Wallr. in Surgically Induced Endometriosis Model in Rats**  
Akkol E., Karpuz B., Türkcanoğlu G., Coşgunçelebi F. G., TAŞTAN H., Aschner M., Khatkar A., Sobarzo-Sánchez E.  
Molecules, vol.27, no.22, 2022 (SCI-Expanded)
- V. **Isolation and identification of triterpenes from *Anthemis austriaca* Jacq. through bioactivity-guided fractionation on polycystic ovary syndrome rat model**  
İlhan M., Ali Z., Khan I. A., Tastan H., AKKOL E.  
ARCHIVES OF GYNECOLOGY AND OBSTETRICS, vol.301, no.4, pp.1103-1111, 2020 (SCI-Expanded)
- VI. **Effect of *Sorbus domestica* and its active constituents in an experimental model of colitis rats induced by acetic acid**  
AKKOL E., Dereli F. T. G., Tastan H., Sobarzo-Sanchez E., Khan H.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.251, 2020 (SCI-Expanded)
- VII. **The frequency of factor V G1691A (Leiden) mutation in the healthy Kazakh population**  
Tastan H.  
TURKISH JOURNAL OF HEMATOLOGY, vol.28, no.4, pp.352-353, 2011 (SCI-Expanded)
- VIII. **GJB2 Mutations in Mongolia: Complex Alleles, Low Frequency, and Reduced Fitness of the Deaf**  
Tekin M., Xia X., Erdenetungalag R., Cengiz F. B., White T. W., Radnaabazar J., Dangaasuren B., Tastan H., Nance W. E., Pandya A.  
ANNALS OF HUMAN GENETICS, vol.74, pp.155-164, 2010 (SCI-Expanded)
- IX. **A microscopic study of kidney tissue in familial mediterranean fever patients**  
SARI KILIÇASLAN S. M., Ayvalı C., Taştan H.  
Cell Biochemistry and Function, vol.25, no.4, pp.363-367, 2007 (SCI-Expanded)
- X. **Huge differences in cellular radiosensitivity due to only very small variations in double-strand break repair capacity**  
Kasten-Pisula U., Tastan H., Dikomey E.

International Journal of Radiation Biology, vol.81, no.6, pp.409-419, 2005 (SCI-Expanded)

- XI. **Evidence for single origins of 35delG and delE120 mutations in the GJB2 gene in Anatolia**  
Tekin M., Boğoclu G., Arican S., Orman M., Tastan H., Elsayed S., Akar N.  
Clinical Genetics, vol.67, no.1, pp.31-37, 2005 (SCI-Expanded)
- XII. **MEFV mutations in multiplex families with familial Mediterranean fever: Is a particular genotype necessary for amyloidosis?**  
Tekin M., Yalçinkaya F., Çakar N., Akar N., Misirlioğlu M., Taştan H., Tümer N.  
Clinical Genetics, vol.57, no.6, pp.430-434, 2000 (SCI-Expanded)
- XIII. **MEFV mutations in Turkish patients suffering from Familial Mediterranean Fever.**  
Akar N., Misiroglu M., Yalcinkaya F., Akar E., Cakar N., Tümer N., Akcakus M., Tastan H., Matzner Y.  
Human mutation, vol.15, no.1, pp.118-9, 2000 (SCI-Expanded)
- XIV. **Genotype-phenotype correlation in a large group of Turkish patients with familial Mediterranean fever: Evidence for mutation-independent amyloidosis**  
Yalçinkaya F., Çakar N., Misirlioğlu M., Tümer N., Akar N., TEKİN M. N., Taştan H., Koçak H., Özkaya N., ELHAN A. H.  
Rheumatology, vol.39, no.1, pp.67-72, 2000 (SCI-Expanded)
- XV. **Feasibility of restriction enzyme protocols for the molecular diagnosis of abnormal hemoglobins in Turkish population.**  
Akar N., Akar E., Tastan H.  
American journal of hematology, vol.62, no.3, pp.198, 1999 (SCI-Expanded)
- XVI. **Histopathological and ultrastructural examination of the rat conjunctiva after exposure to tobacco smoke**  
Avunduk A. M., Avunduk M. C., EVİRGEN O., Yardimci S., Taştan H., Güven C., Çetinkaya K.  
Ophthalmologica, vol.211, no.5, pp.296-300, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Claudin 18.2 Expression in Gastric Adenocarcinomas in a Large Turkish Cohort**  
TAŞTAN H., IŞIK A., GÜNER G., Zeyneoğlu C., DEMİRKOL CANLI S., AKYOL A.  
Abant Medical Journal, vol.12, no.2, pp.122-130, 2023 (Peer-Reviewed Journal)
- II. **ENTOMOPHAGY**  
TAŞTAN H., AYDIN İ., Uçar B.  
Munis Entomology & Zoology, vol.18, no.2, pp.1179-1185, 2023 (Peer-Reviewed Journal)
- III. **EDIBLE INSECT SPECIES AND CONSUMPTION**  
TAŞTAN H., AYDIN İ.  
Munis Entomology & Zoology, vol.18, no.2, pp.1661-1667, 2023 (Peer-Reviewed Journal)
- IV. **DUDAK DAMAK YARIKLARINA MOLEKÜLER YAKLAŞIM**  
AŞLAR ÖNER D., TAŞTAN H.  
Kocatepe Tıp Dergisi, vol.23, no.2, pp.235-243, 2022 (Peer-Reviewed Journal)
- V. **Interleukin-1 and tumor necrosis factor-alpha gene polymorphisms in Turkish patients with localized aggressive periodontitis.**  
GÜZELDEMİR AKÇAKANAT E., Gunhan M., Ozcelik O., Tastan H.  
Journal of oral science, vol.50, no.2, pp.151-159, 2008 (Scopus)
- VI. **Metil parathion un sıçanların ince bağırsak dokusu üzerine etkisi ve vitamin C ve E nin koruyucu rolü**  
ÖĞÜTCÜ A., Ulusoy Y., Kahraman K., UZUNHİSARCIKLI M., Uzun F. G., Taştan H.  
ETLİK VETERİNER MİKROBİYOLOJİ DERGİSİ, vol.18, pp.21-26, 2007 (Peer-Reviewed Journal)
- VII. **The frequencies of the serum amyloid A2 alleles in healthy (Turkish, Azerbaijan and Kazakh) populations.**  
Taştan H., Osmanagaoglu O., Tuzun A.  
Genetika, vol.41, no.7, pp.986-9, 2005 (Scopus)

- VIII. **Homozygous  $\beta$ -Thalassemia Associated with Familial Mediterranean Fever in a Turkish Patient.**  
Canatan D., Coşan R., Taştan H., Bilenoglu O., Başak A. N.  
Turkish journal of haematology : official journal of Turkish Society of Haematology, vol.18, no.3, pp.195-7, 2001  
(Scopus)
- IX. **Ultrastructural effects of X irradiation on spermatogenesis in Rats**  
KALENDER Y., KALENDER S., TAŞTAN H.  
Türk.Hij.Den.Biol.Derg., vol.56, no.2, pp.91-95, 1999 (Peer-Reviewed Journal)
- X. **Ratlarda Sigara Dumanının Retinal Toksisitesi Yaşa Bağlı Maküla Dejeneresansı İçin Elektron Mikroskopik Model çalışma**  
TAŞTAN H.  
Retina Vitreus, vol.7, no.3, pp.188-195, 1999 (Scopus)
- XI. **Direct detection of Hb C (B6 Glu-Lys) by BseRI analysis.**  
Akar N., Akar E., Taştan H., Cin S.  
American journal of hematology, vol.52, no.4, pp.325-6, 1996 (Scopus)
- XII. **Verification of Hb O-Arab [ $\beta$ 121(GH4)Glu→Lys] by dual restriction enzyme analysis**  
Akar N., Akar E., Taştan H., Cin Ş.  
Hemoglobin, vol.20, no.2, pp.161-163, 1996 (Scopus)

## Books & Book Chapters

- I. **EKSOZOMLAR VE KULLANIM ALANLARI**  
ÇELİK R., TAŞTAN H.  
in: MOLEKÜLER BİYOLOJİDE SON GELİŞMELER, TAŞTAN HAKKI, Editor, İksad Yayınevi, Ankara, pp.219-232, 2024
- II. **DİFFÜZ MİDE KANSERLERİNİN MOLEKÜLER TEMELLERİ**  
TAŞTAN H., IŞIK A.  
in: Moleküler Biyolojide Yeni Konular, Hakkı TAŞTAN, Editor, İksad Yayınevi, Ankara, pp.105-119, 2023
- III. **Biyolojik Bilimlerde Çalışma Metotları**  
KALENDER Y., APAYDIN F. G., KARABODUK K., PANDIR D., BAŞ H., KALENDER S., ÖZBEK M. U., ASLANTÜRK A., UZUNHİSARCIKLİ M., BÜYÜKGÜZEL E., et al.  
PALME YAYINEVİ, Ankara, 2021
- IV. **Elisa ve Uygulama teknikleri**  
TAŞTAN H.  
in: Biyoloji Bilimlerde Çalışma Metotları, Yusuf kalender, Editor, Palme yayınevi, Ankara, pp.277-293, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Malvanicaeensis All. Prevents the onset of Inflammation on Acetic acid-induced Ulcerative Colitis in Rats.**  
KARPUZ B., AKKOL E., KARAKAN T., Haroon K., TAŞTAN H.  
5th International Symposium on Phytochemicals in Medicine and Food (5-ISPMF), China, 25 - 30 August 2021
- II. **Amyloidosis in Turkish patients with Familial Mediterranean Fever**  
TAŞTAN H.  
II. International Conference, Antalya, Turkey, 3 - 07 May 2000
- III. **Articular disease in Familial Mediterranean Fever is it change or a challenge for diagnosis**  
TAŞTAN H.  
II. International Conference, Antalya, Turkey, 3 - 07 May 2000
- IV. **MEFV mutations multiplex families with Familial Mediterranean Fever is a particular genotype necessary for Amyloidosis**  
TAŞTAN H.

II. International Conference, Antalya, Turkey, 3 - 07 May 2000

- V. **Clinical laboratory and molecular characteristics of children with Familial Mediterranean Fever associated vasculitis**  
TAŞTAN H.  
Pediatric Nephrology, 1 - 03 January 2016, vol.13, pp.70-166
- VI. **Molecular basis of Familial Mediterranean in Turkey**  
TAŞTAN H.  
Pediatric Nephrology, 1 - 03 January 2016, vol.13, pp.34-22
- VII. **Genotype Phenotype correlation in Turkish Patients with Familial Mediterranean Fever**  
TAŞTAN H.  
Pediatric Nephrology, 1 - 03 January 2016, vol.13, pp.24-27
- VIII. **Ultrastructural changes induced by smoke exposure in rat testes**  
KALENDER S., KALENDER Y., TAŞTAN H., CANDAN S.  
The first International biosciences days. The first congress of Balkan association of Biosciences, Antalya, Turkey, 20 - 24 April 1999
- IX. **Anormal Hemoglobinlerin Moleküler tanısında Restriksiyon Enzim yöntemlerinin kullanılabilirliği**  
Akar n., TAŞTAN H., Akar e.  
XXVI. Ulusal Hematoloji Kongresi, Ankara, Turkey, 31 October - 03 November 1998
- X. **Mitochondrial alterations of the tubule epithelium in Rats exposed to smoke**  
TAŞTAN H.  
XIV th International symposium on morphological sciences, 9 - 13 September 1997, pp.357
- XI. **Homozygous thalassemia associated with familial mediterranean fever in a Turkish patients**  
TAŞTAN H.  
British Journal of Haematology, Amsterdam, Netherlands, 4 - 08 July 1998, vol.102
- XII. **Alterations of Intracellular Membranes AER and GER of the Hepatocytes in Rats Exposed to Smoke**  
TAŞTAN H.  
Proceeding of with International participation 13th National Electron Microscopy Congress, Ankara, Turkey, 1 - 04 September 1997
- XIII. **Ailevi Akdeniz Ateşi FMF olan Türk ailelerinde D16S283 mikrosatellit marker ının incelenmesi İlk bulgular**  
TAŞTAN H.  
XIII.Ulusal Böbrek Hastalıkları, Diyaliz ve Transplantasyon Kongresi, İstanbul, Turkey, 22 - 26 October 1996
- XIV. **A possible role of the pulmonary accumulation of iron and calcium in lung injury induced by smoking**  
TAŞTAN H.  
5.th Marmara Medical Days, İstanbul, Turkey, 16 - 19 September 1996, vol.9
- XV. **Sigara dumanının konjunktiva epitelinde meydana getirdiği değişikliklerin ışık ve elektron mikroskobu düzeyinde incelenmesi**  
TAŞTAN H.  
3.Ulusal Histoloji ve Embriyoloji Kongresi, Eskişehir, Turkey, 3 - 07 September 1996
- XVI. **Direct detection of Hb C 6 Glu Lys by BseR I Analysis**  
akar n., akar e., TAŞTAN H.  
British Journal of Haematology, Paris, France, 29 May - 01 June 1996, vol.93
- XVII. **Erişkin erkek ratlarda ciddi akut kan kaybını takiben plazma seks hormon düzeylerinde görülen değişiklikler**  
TAŞTAN H.  
Uluslar arası katılımlı, 19. Ulusal Endokrinoloji – Diyabetoloji ve Endokrin Cerrahisi Kongresi, İstanbul, Turkey, 28 - 31 May 1996
- XVIII. **Hb C 6 Glu Lys ve Hb E Saskatoon un 22 Glu Lys Moleküler düzeyde analizi**  
akar n., TAŞTAN H., akar e.  
XXIV. Ulusal Hematoloji Kongresi, İstanbul, Turkey, 11 - 14 April 1996

**XIX. BİLDİRİ ADI YOKTUR**

TAŞTAN H.

Uluslar arası Katılımlı 2.Ulusal Hipertansiyon Kongresi, Adana, Turkey, 19 - 21 October 1995

**XX. Verification of Hb O Arab 121 Glu Lys by dual Restriction enzyme analysis**

akar n., akar e., TAŞTAN H.

XIII. th meeting of the International Society of Haematology, 3 - 08 September 1995

**XXI. Hb O Arab ın 121 GAA TAA AcsI Re kullanımı ile verifikasyonu**

TAŞTAN H., akar n., akar e.

XXXIX. Milli Pediatri Kongresi, Ankara, Turkey, 4 - 08 June 1995

**XXII. Sağlıklı ve Hastalıklı Dişetlerinde Fibroblastlar üzerine incelemeler**

TAŞTAN H.

XI. Ulusal Elektron Mikroskopi Kongresi, Edirne, Turkey, 8 - 10 September 1993

## Supported Projects

TAŞTAN H., ARSLAN M., TOPÇU V., ÇAVDARLI B., Project Supported by Higher Education Institutions, Kronik Myeloproliferatif Hastalık Tanısı İle Takipli ve Real-Time PCR Yöntemi İle JAK2 V617F Mutasyonu Bulunmayan Hastalarda, JAK2 Exon 12 Mutasyonlarının Araştırılmasında Sanger Sekanslama ve Yeni Nesil Dizi Analizi Yöntemlerinin Karşılaştırılması, 2020 - 2022

TAŞTAN H., Project Supported by Higher Education Institutions, SENDROMİK OLMAYAN DUDAK DAMAK YARIKLI TÜRK HASTLARINDA MSX I GEN MUTASYONLARININ BELİRLENMESİ, 2010 - 2012

TAŞTAN H., Project Supported by Higher Education Institutions, SENDROMİK OLMAYAN DUDAK DAMAK YARIKLI TÜRK HASTLARININ DNA VE GEN BANKASININ OLUŞTURULMASI, 2009 - 2011

## Metrics

Publication: 112

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