

Asst. Prof. TUĞBA GÜNBATAN

Personal Information

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International Researcher IDs

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ORCID: 0000-0002-1138-3145

Publons / Web Of Science ResearcherID: AHA-9058-2022

ScopusID: 57188819718

Yoksis Researcher ID: 128035

Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), Turkey 2011 - 2017

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Yl) (Tezli), Turkey 2008 - 2011

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr. (4 Yıllık), Turkey 2004 - 2008

Foreign Languages

English, C1 Advanced

Hindi, A2 Elementary

Dissertations

Doctorate, Sideritis caesarea Duman, Aytaç Başer bitkisinin antiülserojenik aktivitesi üzerinde araştırmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), 2017

Postgraduate, Çamlıdere (Ankara) Halk ilaçları, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Yl) (Tezli), 2011

Research Areas

Pharmacology and Therapeutics

Academic Titles / Tasks

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2022 - Continues

Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2011 - Continues

Courses

Undergraduate

Farmasötik Botanik Uygulama, Undergraduate, 2021 - 2022
Farmakognozi II uygulama, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
PREBİYOTİKLER VE PROBİYOTİKLER, Undergraduate, 2022 - 2023
Farmasötik Botanik, Undergraduate, 2021 - 2022
Farmakognozi I , Undergraduate, 2022 - 2023
Farmakognozi III Uygulama, Undergraduate, 2021 - 2022
Farmakognozi I uygulama, Undergraduate, 2021 - 2022, 2020 - 2021
Farmakognozi I, Undergraduate, 2017 - 2018
Homeopatiye giriş, Undergraduate, 2017 - 2018
Yogaya giriş, Undergraduate, 2017 - 2018
Farmakognozi II, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **PRD: An integrated database solution for medicinal and aromatic plant research in pharmaceuticals and toxicology**
ULUTAŞ O. K., GÜNBATAN T.
Phytochemistry Letters, vol.60, pp.174-178, 2024 (SCI-Expanded)
- II. **Chymotrypsin and Trypsin Inhibitory Activity of Some Medicinal Plants Collected from Rize (Türkiye)**
Günbatan T., Sucu M., Gökbulut A., Dilmaç E., Gürbüz İ.
CHEMISTRY AND BIODIVERSITY, pp.1-9, 2024 (SCI-Expanded)
- III. **Screening Study on Serine Protease Inhibitory Activity of 10 Plant Species**
GÜNBATAN T., DİLMAÇ E., GÖKBULUT A., Sucu M., GÜRBÜZ İ.
Chemistry and Biodiversity, 2024 (SCI-Expanded)
- IV. **The five Ferulago species inhibited cell proliferation and induced apoptosis of A549, MCF-7, PC3 and SW480 cancer cells in vitro**
GÜRBÜZ İ., GÜNBATAN T., Bakar-Ates F., Hoti B., DUMAN H., KILIÇ C. S.
3 Biotech, vol.13, no.5, 2023 (SCI-Expanded)
- V. **In vitro Antioxidant, Enzyme Inhibitory and Antimicrobial Evaluation of Sideritis caesarea H. Duman, Aytaç & Başer Extracts**
GÜNBATAN T., GÜRBÜZ İ., Karaca N., DEMİRCİ F.
Natural Product Communications, vol.18, no.4, 2023 (SCI-Expanded)
- VI. **In Vitro Enzyme Inhibitory Activity of Ten Ferulago W. Koch Species Growing in Turkey**
Akkol E., Günbatan T., Gürbüz İ., Duman H., Kılıç C. S., İlhan M.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.65, pp.1-11, 2022 (SCI-Expanded)
- VII. **Isolation of rosmarinic acid and methyl rosmarinate as lipoxygenase inhibitors from Salvia palaestina Benth. by activity-guided fractionation**
Sina İçen M., Gürbüz İ., Bedir E., Günbatan T., Demirci F.
South African Journal of Botany, vol.141, pp.177-182, 2021 (SCI-Expanded)
- VIII. **The cytotoxic and apoptotic effects of Ferulago W. Koch extracts on various cancer cell lines**
Bakar-Ates F., Hoti B., GÜRBÜZ İ., GÜNBATAN T., DUMAN H., KILIÇ C. S.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.46, no.3, pp.281-291, 2021 (SCI-Expanded)
- IX. **Antibacterial, antifungal and enzyme inhibitory effects of selected plants from Turkey**
Gürbüz İ., Özçelik B., Günbatan T., Akkol E., Sahinoz M., Akaydın G.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.34, no.3, pp.1011-1017, 2021 (SCI-Expanded)
- X. **Investigations on the anti-ulcerogenic activity of Sideritis caesarea H. Duman, Aytac & Baser**
Günbatan T., Gürbüz İ., Bedir E., Ozkan A. M. G., Özçınar Ö.
JOURNAL OF ETHNOPHARMACOLOGY, vol.258, 2020 (SCI-Expanded)

- XI. **Folk medicine in Duzce Province (Turkey)**
Gürbüz İ., Gençler Özkan A. M., Akaydın G., Salihoğlu E., Günbatan T., Demirci F., Yesilada E.
TURKISH JOURNAL OF BOTANY, vol.43, no.6, pp.769-849, 2019 (SCI-Expanded)
- XII. **Phenolic Acid Profile and in vitro Neurobiological Effect of Phlomis grandiflora HS Thompson var. grandiflora**
ŞENOL DENİZ F. S., GÜNBATAN T., ÖZTÜRK N., GÜRBÜZ İ., ERDOĞAN ORHAN İ.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.40, no.1, pp.129-137, 2018 (SCI-Expanded)
- XIII. **Comparison of Volatiles of Sideritis caesarea Specimens Collected from Different Localities in Turkey**
GÜNBATAN T., DEMİRCİ B., GÜRBÜZ İ., DEMİRCİ F., Ozkan A. M. G.
NATURAL PRODUCT COMMUNICATIONS, vol.12, no.10, pp.1639-1642, 2017 (SCI-Expanded)
- XIV. **Folk medicines of Bafra (Samsun-Turkey)**
Karci E., Gürbüz İ., Akaydın G., Günbatan T.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.4, pp.381-399, 2017 (SCI-Expanded)
- XV. **The current status of ethnopharmacobotanical knowledge in Camlidere (Ankara, Turkey)**
Günbatan T., Gürbüz İ., Ozkan A. M. G.
TURKISH JOURNAL OF BOTANY, vol.40, no.3, pp.241-278, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **CHYMOTRYPSIN, UREASE INHIBITORY AND ANTIOXIDANT ACTIVITIES OF SOME DÜZCE FOLK MEDICINES**
Günbatan T., Salihoğlu E., Gürbüz İ., Akaydın S., Akaydın G.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.2, pp.637-649, 2023 (Scopus)
- II. **Malva neglecta Wallr. Bitkisinin Kimotripsin, Üreaz İnhibe Edici ve Antioksidan Aktivitesi**
Günbatan T., Salihoğlu E., Akaydın S., Akaydın G., Gürbüz İ.
Mersin Üniversitesi Tıp Fakültesi Lokman Hekim Tıp Tarihi ve Folklorik Tıp Dergisi, vol.13, no.2, pp.459-468, 2023 (Peer-Reviewed Journal)
- III. **Rize'den Toplanan Altı Bitkinin İn Vitro Üreaz İnhibe Edici ve Antioksidan Aktivitesi**
DİLMAÇ E., SUCU M., GÜNBATAN T., GÜRBÜZ İ.
Mersin Üniversitesi Tıp Fakültesi Lokman Hekim Tıp Tarihi ve Folklorik Tıp Dergisi, vol.13, no.1, pp.98-106, 2023 (Peer-Reviewed Journal)
- IV. **Scutellaria baicalensis Georgi'nin SARS-Cov-2 Tedavisindeki Yeri: Derleme**
Günbatan T.
Future Biochemistry and Bioscience, vol.4, no.1, pp.20-25, 2022 (Peer-Reviewed Journal)
- V. **Ethnopharmacobotanical Findings of Medicinal Plants in the Kizilcahamam District of Ankara, Turkey**
Gürbüz İ., Ozatkan G., Akaydın G., Günbatan T.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.18, no.6, pp.667-682, 2021 (ESCI)
- VI. **Yoganın Biyokimyasal Belirteçler Üzerine Etkileri**
Günbatan T.
Future Biochemistry and Bioscience, vol.3, no.1, pp.1-7, 2021 (Peer-Reviewed Journal)

Books

- I. **Ethnobotany in Turkey: Retrospect and Prospect**
GÜNBATAN T., GÜRBÜZ İ., GENÇLER ÖZKAN A. M.
in: Medicinal and Aromatic Plants of Turkey, Ákos Máthé, Kenan Turgut, Editor, Springer, Gewerbestrasse, pp.31-55, 2023
- II. **Curcuma longa L.**

Günbatan T.

in: Novel Drug Targets With Traditional Herbal Medicines Scientific and Clinical Evidence, Fatma Tuğçe Güragaç Dereli, Mert İlhan, Tarun Belwal, Editor, Springer Nature, Zug, pp.191-208, 2022

III. **Polifenoller ve Yeşil Çay**

Günbatan T., Gürbüz İ.

in: Türkiye Klinikleri Takviye Edici Gıdalar, Ekrem Sezik, Editor, Dijital Akademi, Ankara, pp.22-30, 2021

IV. **Eclipta prostrata (yer paskalyası)**

Günbatan T.

in: FFD Monografıları Bitkiler ve Etkileri, Ömür Demir Ezer, Tayfun Ersöz, İclal Saraçoğlu, Bilge Şener, Ayşegül Köroğlu, Funda N Yalçın, Editor, Akademisyen Kitabevi, Ankara, pp.353-363, 2017

Papers Published in Refereed Scientific Meetings

- I. **CHYMOTRYPSIN AND TRYPSIN INHIBITORY ACTIVITIES OF SOME PLANTS GROWN IN RIZE (TURKEY)**
Günbatan T., Sucu M., Dilmaç E., Gürbüz İ.
The 9th International Mediterranean Symposium on Medicinal and Aromatic Plants, Ankara, Turkey, 3 - 05 May 2023, pp.23
- II. **MANAGING MEDICINAL AND AROMATIC PLANT RESULTS: A COMPREHENSIVE DATABASE FOR PHARMACEUTICAL AND TOXICOLOGICAL ANALYSIS**
ULUTAŞ O. K., GÜNBATAN T.
The 9th International Mediterranean Symposium on Medicinal and Aromatic Plants, Turkey, 03 May 2023
- III. **Folk Medicines in Gerze (Sinop, Turkey)**
Kabaş O., Günbatan T., Sezik E., Gürbüz İ.
The Eighth International Mediterranean Symposium on Medicinal and Aromatic Plants, İzmir, Turkey, 20 - 22 October 2022, pp.62
- IV. **Chymotrypsin Inhibitory Activities of Some Plants Grown in Turkey**
Günbatan T., Dilmaç E., Sucu M., Gürbüz İ.
9th International Academic Studies Conference, Elazığ, Turkey, 3 - 05 August 2022, pp.274-275
- V. **Rize'de Yetişen 6 Farklı Bitkinin In vitro Üreaz İnhibisyonu ve Antioksidan Aktivitesi**
Dilmaç E., Günbatan T., Sucu M., Gürbüz İ.
XXIV. BİTKİSEL İLAÇ HAMMADDELERİ TOPLANTISI, Ankara, Turkey, 23 - 26 June 2022, pp.205-206
- VI. **Investigation of the Effect of Six Plant Species on Enzymes Associated with Diabetes and Obesity**
Günbatan T., Gök H. N., Özüpek B., Pekacar S., Deliorman Orhan D., Gürbüz İ.
The Seventh International Mediterranean Symposium on Medicinal and Aromatic Plants, İzmir, Turkey, 18 - 20 November 2021, pp.81
- VII. **Chymotrypsin and urease inhibitory activities of some plants used as folk medicine in Düzce (Turkey)**
Günbatan T., Salihoğlu E., Gürbüz İ., Akaydın S., Akaydın G.
Gazi Pharma Symposium Series, Ankara, Turkey, 8 - 10 September 2021
- VIII. **CYTOTOXICITY GUIDED FRACTIONATION STUDIES ON FERULAGO SYRIACA ROOTS AGAINST VARIOUS CANCER CELL LINES**
Sucu M., Hoti B., GÜNBATAN T., BAKAR ATEŞ F., GÜRBÜZ İ., BEDİR E., DUMAN H., KILIÇ C. S.
The 5th International Mediterranean Symposium on Medicinal and Aromatic Plants, Turkey, 24 - 26 April 2019
- IX. **CYTOTOXICITY GUIDED FRACTIONATION STUDIES ON FERULAGO MACROSCIADIA ROOTS AGAINST A549, MCF-7, PC3 AND SW480 CANCER CELL LINES**
Dilmaç E., Hoti B., BAKAR ATEŞ F., GÜRBÜZ İ., GÜNBATAN T., BEDİR E., DUMAN H., KILIÇ C. S.
The 5th International Mediterranean Symposium on Medicinal and Aromatic Plants, Nevşehir, Turkey, 24 - 26 April 2019
- X. **In vitro enzyme inhibitory activity of three Ferulago species growing in Turkey**
GÜNBATAN T., İLHAN M., AKKOL E., GÜRBÜZ İ., DUMAN H., KILIÇ C. S.

The 5th International Mediterranean Symposium on Medicinal and Aromatic Plants, Nevşehir, Turkey, 24 - 26 April 2019

- XI. **Investigation of the Effect of Seven Plant Species on Enzymes That associated With Diabetes and Obesity**
GÜNBATAN T., EKİN H. N., ÖZÜPEK B., PEKACAR S., GÜRBÜZ İ., DELİORMAN ORHAN D.
The 5th International Mediterranean Symposium on Medicinal and Aromatic Plants, Nevşehir, Turkey, 24 - 28 April 2019
- XII. **Cytotoxic Activity of Ethanolic Extract and Some Fractions of the Roots of *Ferulago Macrosciadia* Boiss Balansa Against SW480 and MCF-7 Cancer Cell Lines**
GÜNBATAN T., BAKAR ATEŞ F., GÜRBÜZ İ., KILIÇ C. S., KARAKÜÇÜK M., DUMAN H.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018, pp.191
- XIII. ***Ferulago sylvatica* (Besser) Reichb. ve *Ferulago humilis* Boiss. Kköklerinin SW480 ve PC-3 Kanser Hücreleri Üzerindeki Sitotoksik Aktivitesi**
Hoti B., BAKAR ATEŞ F., Karaküçük M., GÜNBATAN T., KILIÇ C. S., GÜRBÜZ İ., DUMAN H.
XXIII. Bitkisel ilaç hammaddeleri toplantısı, Antalya, Turkey, 9 - 12 May 2018
- XIV. **CYTOTOXIC ACTIVITY OF ETHANOLIC EXTRACTS OF THE ROOTS OF SOME FERULAGO W. KOCH SPECIES AGAINST SW480, PC-3 AND MCF-7 CANCER CELL LINES**
BAKAR F., GÜNBATAN T., KILIÇ C. S., GÜRBÜZ İ., DUMAN H.
2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017, pp.347
- XV. **Urease inhibitory and antioxidant activity of *Ferulago blanchena* Post ex Boiss**
GÜNBATAN T., KARAKAYA S., KILIÇ C. S., GÜRBÜZ İ.
1st International Gazi Pharma Symposium Series, 12 - 15 November 2015
- XVI. **Two anti ulcerogenic flavonoid glycosides from *Sidertis Duman Aytac Başer***
Günbatan T., Gürbüz İ., Özçınar Ö., Gençler Özkan A. M.
International Gazi Pharma Symposium, Antalya, Turkey, 12 - 15 November 2015
- XVII. **Kızılcahamam ve Çamlıdere de Halkın Geleneksel Şifa Kaynaklarının Karşılaştırılması**
GÜNBATAN T., ÖZATKAN G., GÜRBÜZ İ.
100. Yılında; Yabanabad'dan Kızılcahamam'a Sempozyumu, Turkey, 6 - 08 November 2015
- XVIII. **Comparison and Characterization of *Sideritis caesarea* SC Duman Aytac Baser Essential Oil Constituents Collected from Different Localities and in Periods**
GÜNBATAN T., DEMİRCİ B., GÜRBÜZ İ., GENÇLER ÖZKAN A. M.
11th International Symposium on the Chemistry of Natural Compounds (SCNC-2015), 1 - 04 November 2015
- XIX. **In vivo anti ulcerogenic effect evaluation of *Sideritis caesarea* Duman Aytac Başer Lamiaceae**
GÜRBÜZ İ., GÜNBATAN T., GENÇLER ÖZKAN A. M.
The 19th International Congress Phytopharm, Bonn, Germany, 21 - 24 July 2015
- XX. **In vitro Evaluation of Wound Healing Activity of Some Folk Medicines Used in Turkey**
GÜNBATAN T., AKKOL E., GÜRBÜZ İ., AKAYDIN G.
18th International Congress Phytopharm, Saint Peter, Guernsey And Alderney, 3 - 05 July 2014
- XXI. **Antioxidant activities and total phenol contents of some medicinal plants collected from Düzce Turkey**
GÜNBATAN T., SALİHOĞLU E., GÜRBÜZ İ., AKAYDIN G.
International conference on natural products utilization, Bansko, Bulgaria, 3 - 06 November 2013
- XXII. **Evaluation of Antioxidant Activity of Four Plants Used as Folk Medicine in Düzce Turkey**
SALİHOĞLU E., GÜNBATAN T., GÜRBÜZ İ., AKAYDIN S., AKAYDIN G.
The First Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagusa, Cyprus (Kkct), 17 - 20 April 2013
- XXIII. **In Vitro Estimation of Neurobiological Effects of *Phlomis grandiflora* H.S. Thompson (Lamiaceae) and HPLC Characterization of Its Main Extracts**
ŞENOL F. S., GÜNBATAN T., ÖZTÜRK N., GÜRBÜZ İ., ERDOĞAN ORHAN İ.
1st Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP), Cyprus (Kkct), 17 - 20 April 2013
- XXIV. **Bafra Samsun Halk İlaçları**

Karcı E., GÜNBATAN T., GÜRBÜZ İ., AKAYDIN G.

20. Bitkisel İlaç Hammaddeleri Toplantısı, Antalya, Turkey, 10 - 13 October 2012

XXV. Bazı Halk İlaçlarının Antibakteriyel ve Antifungal Etkileri

Gürbüz İ., Özçelik B., Günbatan T., Şahinöz M., Akaydın G.

20. Bitkisel ilaç Hammaddeleri Toplantısı, Antalya, Turkey, 10 - 13 October 2012

XXVI. Antifungal Evaluation of Equisetum sp from Turkey

GÜNBATAN T., GÜRBÜZ İ., İŞCAN G., GÜVEN K., ÖZ Y., DEMİRCİ F.

13th Cogress of the International Society for Ethnopharmacology Avusturya, Graz, Austria, 2 - 06 September 2012

XXVII. Folk Medicines of Çamlıdere Ankara

GÜNBATAN T., GÜRBÜZ İ., GENÇLER ÖZKAN A. M.

59 th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Antalya, Turkey, 4 - 09 September 2011

Supported Projects

Günbatan T., Gürbüz İ., Demirci F., Durmaz E., Salihoğlu E., Göger F., TÜBİTAK Project, Ülkemizde Halk Arasında Sindirim Sistemi Rahatsızlıklarında Kullanılan 6 Farklı Achillea Türünün Enzim İnhibisyon Mekanizmalarına Etkileri ve Sitotoksitesinin Değerlendirilmesi, 2024 - 2026

Günbatan T., TÜBİTAK Project, Medicago sativa L. bitkisinin kimotripsin inhibe edici aktivitesi, 2023 - 2024

GÜNBATAN T., Dilmaç E., GÜRBÜZ İ., GÖKBULUT A., SUCU M., Project Supported by Higher Education Institutions, Rizeden Toplanan Bazı Bitkilerin Kimotripsin ve Tripsin İnhibe Edici Aktivite Tarama Çalışması, 2022 - 2023

GÜRBÜZ İ., TÜBİTAK Project, Sideritis caesarea Duman, Aytac Baser Bitkisinin Antiülserojenik Aktivitesi Üzerinde Araştırmalar, 2013 - 2017

Memberships / Tasks in Scientific Organizations

Societ for Medicinal Plant and Natural Product Reserch, Member, 2013 - 2013, Germany

Peer Reviews in Scientific Publications

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, National Scientific Refreed Journal, March 2021

SOUTH AFRICAN JOURNAL OF BOTANY, Journal Indexed in SCI-E, September 2020

Metrics

Publication: 55

Citation (WoS): 87

Citation (Scopus): 107

H-Index (WoS): 5

H-Index (Scopus): 5

Non Academic Experience

Türk Eczacılar Birliği, Eczacı