

# **Prof. İLHAN GÜRBÜZ**

## **Personal Information**

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## **International Researcher IDs**

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Publons / Web Of Science ResearcherID: AHB-3295-2022

ScopusID: 6602792411

Yoksis Researcher ID: 1966

## **Education Information**

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), Turkey 1996 - 2002

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Yl) (Tezli), Turkey 1993 - 1996

Undergraduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1989 - 1993

## **Foreign Languages**

English, B2 Upper Intermediate

## **Dissertations**

Doctorate, *Centaurea solstitialis L. ssp.solstitialis* Bitkisinin Antiülserojenik Aktivitesi Üzerinde Çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Dr), 2002

Postgraduate, *Cistus laurifolius L.* Bitkisinin Antiülserojenik Aktivitesi Üzerinde Çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmakognozi (Yl) (Tezli), 1996

## **Research Areas**

Pharmacognosy, Pharmaceutical Botany

## **Academic Titles / Tasks**

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2010 - Continues

## **Advising Theses**

GÜRBÜZ İ., *Salvia palaestina benth.* bitkisinin lipoksijenaz enzimi üzerindeki etkisinin araştırılması, Doctorate, M.SINA(Student), 2019

GÜRBÜZ İ., European Pharmacopoeia Analysis Of Market-Supplied Some Ginger Samples, Postgraduate, M.Sucu(Student), 2018

GÜRBÜZ İ., Piyasadan temin edilen bazı zencefil örneklerinin farmakope analizi, Postgraduate, M.SUCU(Student), 2018

GÜRBÜZ İ., Taraxacum officinale bitkisinin fitoterapi yönünden değerlendirilmesi, Postgraduate, S.SEVİN(Student), 2017

GÜRBÜZ İ., Investigations on the antiulcerogenic activity of sideritis caesarea h. duman, ayaç, başer plant, Doctorate, T.GÜNBATAN(Student), 2017

GÜRBÜZ İ., Evaluation Of Taraxacum Officinale Plant For Phytotherapy, Postgraduate, S.Sevin(Student), 2017

GÜRBÜZ İ., Folk medicines of Bafra (Samsun), Postgraduate, E.KARCI(Student), 2013

GÜRBÜZ İ., Flaxseed and phytotherapy, Postgraduate, İ.YENER(Student), 2011

GÜRBÜZ İ., Folk medicines of Çamlıdere (Ankara), Postgraduate, T.GÜNBATAN(Student), 2011

GÜRBÜZ İ., Kızılıcahamam ilçesi halk ilaçları, Postgraduate, G.ÖZATKAN(Student), 2009

GÜRBÜZ İ., Anadolu'da mide rahatsızlıklarına karşı kullanılan halk ilaçlarından Phlomis grandiflora H.S. Thompson üzerinde araştırmalar, Postgraduate, E.TATAR(Student), 2009

GÜRBÜZ İ., Research on Phlomis grandiflora H.S. Thompson as a Treatment for Stomach Illness in Anatolian Folk Medicine, Postgraduate, E.TATAR(Student), 2009

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

### I. Essential Oil Composition of Fruits of Eight Ferulago Species Growing in Türkiye and Multivariate Statistical Analyses

Kirci D., DEMİRCİ B., KILIÇ C. S., GÜRBÜZ İ., DUMAN H.

Chemistry and Biodiversity, vol.20, no.11, 2023 (SCI-Expanded)

### II. 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)

### III. Essential Oils of Ferulago glareosa Kandemir&Hedge Roots and Aerial Parts: PCA and HCA Analyses

KILIÇ C. S., DEMİRCİ B., Kirci D., DUMAN H., GÜRBÜZ İ.

Chemistry and Biodiversity, vol.20, no.5, 2023 (SCI-Expanded)

### IV. In vitro Antioxidant, Enzyme Inhibitory and Antimicrobial Evaluation of Sideritis caesarea H. Duman, Ayaç & Başer Extracts

GÜNBATAN T., GÜRBÜZ İ., Karaca N., DEMİRCİ F.

Natural Product Communications, vol.18, no.4, 2023 (SCI-Expanded)

### V. 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)

### VI. 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)

### VII. 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 DERGİSİ, vol.46, no.3, pp.281-291, 2021 (SCI-Expanded)

### VIII. 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)

### IX. Activity-guided isolation of alpha-amylase, alpha-glucosidase, and pancreatic lipase inhibitory compounds from Rhus coriariaL

Gök H. N., Deliorman Orhan D., Gürbüz İ., Aslan M.

JOURNAL OF FOOD SCIENCE, vol.85, pp.3220-3228, 2020 (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., Salihoglu 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 effects of Phlomis grandiflora var. grandiflora H.S. Thompson**  
Şenol Deniz F. S., Günbatan T., Öztürk N., Gürbüz İ., Erdogan Orhan İ.  
Journal Of The Chemical Society Of Pakistan, vol.40, no.1, pp.129-136, 2018 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **Folk medicines of Bafra (Samsun-Turkey)**  
Karcı E., Gürbüz İ., Akaydın G., Günbatan T.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.42, no.4, pp.381-399, 2017 (SCI-Expanded)
- XVI. **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)
- XVII. **Anti-ulcerogenic activity and isolation of the active principles from Sambucus ebulus L. leaves**  
YEŞİLADA E., GÜRBÜZ İ., Toker G.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.153, no.2, pp.478-483, 2014 (SCI-Expanded)
- XVIII. **Characterization of volatiles and anti-ulcerogenic effect of Turkish sweetgum balsam (Styrax liquidus)**  
GÜRBÜZ İ., YEŞİLADA E., DEMİRCİ B., Sezik E., DEMİRCİ F., BAŞER K. H. C.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.148, no.1, pp.332-336, 2013 (SCI-Expanded)
- XIX. **Comparison of the volatiles of Daphne pontica L. and D. oleoides Schreber subsp oleoides isolated by hydro- and microdistillation methods**  
GÜRBÜZ İ., DEMİRCİ B., Franz G., Baser K. H. C., YEŞİLADA E., DEMİRCİ F.  
TURKISH JOURNAL OF BIOLOGY, vol.37, no.1, pp.114-121, 2013 (SCI-Expanded)
- XX. **Essential Oil Composition of Five Collections of Achillea biebersteinii from Central Turkey and their Antifungal and Insecticidal Activity**  
Tabanca N., DEMİRCİ B., GÜRBÜZ İ., DEMİRCİ F., Becnel J. J., Wedge D. E., BAŞER K. H. C.  
NATURAL PRODUCT COMMUNICATIONS, vol.6, no.5, pp.701-706, 2011 (SCI-Expanded)
- XXI. **NEW AND KNOWN CONSTITUENTS FROM IRIS UNGUICULARIS AND THEIR ANTIOXIDANT ACTIVITY**  
Atta-ur-Rahman A., Hareem S., Choudhary M. I., Sener B., Abbaskhan A., Siddiqui H., Anjum S., ERDOĞAN ORHAN İ., GÜRBÜZ İ., AYANOĞLU F.  
HETEROCYCLES, vol.82, no.1, pp.813-824, 2010 (SCI-Expanded)
- XXII. **Evaluation of the antiulcerogenic activity profile of a flavonol diglucoside from Equisetum palustre L.**  
YEŞİLADA E., GÜRBÜZ İ.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.131, no.1, pp.17-21, 2010 (SCI-Expanded)
- XXIII. **In vivo activity assessment of a "honey-bee pollen mix" formulation**  
AKKOL E., DELİORMAN ORHAN D., GÜRBÜZ İ., YEŞİLADA E.  
PHARMACEUTICAL BIOLOGY, vol.48, no.3, pp.253-259, 2010 (SCI-Expanded)
- XXIV. **Characterization and Biological Activity of Achillea teretifolia Willd. and A. nobilis L. subsp**

- neilreichii (Kerner) Formanek Essential Oils**  
DEMİRCİ F., Demirci B., GÜRBÜZ İ., YEŞİLADA E., BAŞER K. H. C.  
TURKISH JOURNAL OF BIOLOGY, vol.33, no.2, pp.129-136, 2009 (SCI-Expanded)
- XXV. Antiviral and antimicrobial activities of three sesquiterpene lactones from Centaurea solstitialis L. ssp solstitialis**  
Özçelik B., Gürbüz İ., Karaoglu T., Yeşilada E.  
MICROBIOLOGICAL RESEARCH, vol.164, no.5, pp.545-552, 2009 (SCI-Expanded)
- XXVI. An anti-ulcerogenic flavonol diglucoside from Equisetum palustre L.**  
GÜRBÜZ İ., YEŞİLADA E., Ito S.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.121, no.3, pp.360-365, 2009 (SCI-Expanded)
- XXVII. The efficiency of Viscum album ssp. album and Hypericum perforatum on human immune cells in vitro**  
FİDAN İ., Ozkan S., GÜRBÜZ İ., Yesilyurt E., Erdal B., Yolbakan S., Imir T.  
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.30, no.3, pp.519-528, 2008 (SCI-Expanded)
- XXVIII. In vivo Anti-Ulcerogenic Activity of Equisetum telmateia Ehrh. Extracts Used in Turkish Folk Medicine**  
GÜRBÜZ İ., YEŞİLADA E.  
TURKISH JOURNAL OF BIOLOGY, vol.32, no.4, pp.259-263, 2008 (SCI-Expanded)
- XXIX. Anti-ulcerogenic activity of some plants used in folk medicine of Pinarbasi (Kayseri, Turkey)**  
Gurbuz İ., Ozkan A., Yesilada E., Kutsal O.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.101, no.1-3, pp.313-318, 2005 (SCI-Expanded)
- XXX. Isolation of anti-ulcerogenic sesquiterpene lactones from Centaurea solstitialis L. ssp solstitialis through bioassay-guided fractionation procedures in rats**  
Yesilada E., Gurbuz İ., Bedir E., Tatlı İ., Khan W.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.95, no.2-3, pp.213-219, 2004 (SCI-Expanded)
- XXXI. Evaluation of in vivo biological activity profile of isoorientin**  
Kupeli E., Aslan M., Gurbuz İ., Yesilada E.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.59, no.11-12, pp.787-790, 2004 (SCI-Expanded)
- XXXII. Hypoglycaemic effects of myrtle oil in normal and alloxan-diabetic rabbits**  
Sepici A., Gurbuz İ., Cevik C., Yesilada E.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.93, no.2-3, pp.311-318, 2004 (SCI-Expanded)
- XXXIII. Anti-ulcerogenic lignans from Taxus baccata L.**  
Gurbuz İ., Erdemoglu N., Yesilada E., Sener B.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.59, no.3-4, pp.233-236, 2004 (SCI-Expanded)
- XXXIV. Anti-ulcerogenic activity of some plants used as folk remedy in Turkey**  
Gurbuz İ., Ustun O., Yesilada E., Sezik E., Kutsal O.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.88, no.1, pp.93-97, 2003 (SCI-Expanded)
- XXXV. In vivo gastroprotective effects of five Turkish folk remedies against ethanol-induced lesions**  
Gurbuz İ., Ustun O., Yesilada E., Sezik E., Akyurek N.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.83, no.3, pp.241-244, 2002 (SCI-Expanded)
- XXXVI. Anti-ulcerogenic effect of Momordica charantia L. fruits on various ulcer models in rats**  
Gurbuz İ., Akyuz C., Yesilada E., Sener B.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.71, no.1-2, pp.77-82, 2000 (SCI-Expanded)
- XXXVII. Screening of Turkish anti-ulcerogenic folk remedies for anti-Helicobacter pylori activity**  
Yesilada E., Gurbuz İ., Shibata H.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.66, no.3, pp.289-293, 1999 (SCI-Expanded)
- XXXVIII. Effects of Cistus laurifolius L flowers on gastric and duodenal lesions**  
Yesilada E., Gurbuz İ., Ergun E.  
JOURNAL OF ETHNOPHARMACOLOGY, vol.55, no.3, pp.201-211, 1997 (SCI-Expanded)

## Articles Published in Other Journals

- I. Essential Oil Composition of *Tilia rubra* subsp. *caucasica* (Rupr.) V.Engl. Inflorescences Growing in Rize  
Dilmaç E., DEMİRCİ B., ÖZTÜRK G., GÜRBÜZ İ.  
Mersin Üniversitesi Tıp Fakültesi Lokman Hekim Tıp Tarihi ve Folklorik Tıp Dergisi, vol.13, no.2, pp.453-458, 2023 (Peer-Reviewed Journal)
- II. *Malva neglecta* Wallr. Bitkisinin Kimotripsin, Üreaz İnhibe Edici ve Antioksidan Aktivitesi  
GÜNBATAN T., SALİHOĞLU E., AKAYDIN S., AKAYDIN 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. Ethnopharmacobotanical Findings of Medicinal Plants in the Kızılıcahamam District of Ankara, Turkey  
Gürbüz İ., Ozatkan G., Akaydin G., Günbatan T.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.18, no.6, pp.667-682, 2021 (ESCI)
- IV. Chemical profile of the volatile compounds from *Marrubium cuneatum* Banks & Sol  
İçen M. S., Demirci B., Demirci F., GÜRBÜZ İ.  
Natural Volatiles and Essential Oils, vol.8, no.2, pp.1-6, 2021 (Scopus)
- V. Chemical and antimicrobial characterization of essential oils obtained from aerial part, root and fruit of *Ferulago longistylis* Boiss., an endemic species  
DEMİRCİ B., DİLMAÇ E., KIRCI D., DEMİRCİ F., KILIÇ C. S., DUMAN H., GÜRBÜZ İ.  
Natural Volatiles and Essential Oils, vol.7, no.1, pp.18-25, 2020 (Scopus)
- VI. In vitro Antimicrobial Evaluation of *Ferulago sandrasica* Peşmen Quézel Herba and Root Essential Oil  
SUCU M., KIRCI D., DEMİRCİ B., DUMAN H., KILIÇ C. S., GÜRBÜZ İ.  
Natural Volatiles and Essential Oils, vol.6, no.4, pp.13-20, 2019 (Scopus)
- VII. Biochemical and Histological Alterations in Reproductive Tract Tissues of Male Swiss Albino Mice Exposed Commercially Prepared Aloe Vera Gel Product  
Aydoğan Ahbab m., korkmaz a., BARLAS N., GÜRBÜZ İ., ÇOK İ.  
Hacettepe Journal of Biology and Chemistry, vol.42, pp.351-360, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- 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

## Refereed Congress / Symposium Publications in Proceedings

- I. 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 (Kktc), 17 - 20 April 2013
- II. In vitro estimation of nerobiological efects 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.  
The first Mediterranean Symposium on Medicinal and Aromatic Plants, Cyprus (Kktc), 17 - 20 April 2013
- III. Bazı Halk İlaçlarının Antibakteriyel ve Antifungal Etkileri  
Gürbüz İ., Özçelik B., Günbatan T., Şahinöz M., Akaydin G.

20. Bitkisel ilaç Hammaddeleri Toplantısı, Antalya, Turkey, 10 - 13 October 2012
- IV. **Bafra Samsun Halk İlaçları**  
Karcı E., GÜNBATAN T., GÜRBÜZ İ., AKAYDIN G.  
20. Bitkisel ilaç Hammaddeleri Toplantısı, Antalya, Turkey, 10 - 13 October 2012
- V. **Aloe Vera Jel Ürününün Fare Karaciğer ve Böbrek Dokuları Üzerindeki Etkilerinin İncelenmesi**  
KORKMAZ A., AYDOĞAN M., ULUTAŞ O. K., DURMAZ E., GÜRBÜZ İ., BARLAS N., ÇOK İ.  
7. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, Turkey, 30 May - 01 June 2009

## Supported Projects

GÜNBATAN T., Dilmaç E., GÜRBÜZ İ., GÖKBULUT A., SUCU M., Project Supported by Higher Education Institutions, Rizeden  
Toplanan Bazı Bitkilerin Kimotiripsin ve Tripsin İnhibe Edici Aktivite Tarama Çalışması, 2022 - 2023  
GÜRBÜZ İ., TUBITAK Project, Sideritis caesarea Duman, Aytac Baser Bitkisinin Antiülserojenik Aktivitesi Üzerinde  
Araştırmalar, 2013 - 2017

## Metrics

Publication: 92  
Citation (WoS): 1199  
Citation (Scopus): 1495  
H-Index (WoS): 19  
H-Index (Scopus): 19

## Non Academic Experience

GAZİ ÜNİVERSİTESİ