

## Asst. Prof. Gülsüm Yıldız

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-1697-7380

Yoksis Researcher ID: 226855

### Education Information

Doctorate, Anadolu University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, Turkey 2016 - 2020

Undergraduate, Erciyes University, Eczacılık Fakültesi, Eczacılık, Turkey 2008 - 2013

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi Sertifika Programı, Van Yüzüncü Yıl Üniversitesi, 2021

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, Fırat Üniversitesi, Hayvan Deneyleri Yerel Etik Kurulu, 2021

### Dissertations

Doctorate, ORIGANUM MINUTIFLORUM O. SCHWARZ ET P.H. DAVIS ÜZERİNE FARMAKOGNOZİK ARAŞTIRMALAR, Anadolu University, Institute Of Health Sciences, Farmakognozi Abd, 2020

### Research Areas

Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy, Health Sciences

### Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2020 - Continues

Research Assistant, Anadolu University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, 2016 - 2020

Research Assistant, Van Yüzüncü Yıl University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2015 - 2020

## Academic and Administrative Experience

Head of Department, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2022 - Continues

## Courses

Farmakognozi Lab. I, Undergraduate, 2022 - 2023

Production and Quality Control of Medicinal and Aromatic Herbal Products, Postgraduate, 2021 - 2022, 2020 - 2021

Staj IV, Undergraduate, 2022 - 2023

Mezuniyet projesi I, Undergraduate, 2022 - 2023, 2020 - 2021

Farmakognozi II, Undergraduate, 2022 - 2023

Farmakognozi III, Undergraduate, 2021 - 2022

Terminoloji, Undergraduate, 2022 - 2023, 2020 - 2021

Farmakognozi Lab. II , Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Tıbbi ve aromatik bitkilerin hasat işlemleri ve pazarlanması, Postgraduate, 2022 - 2023

Mezuniyet Projesi II, Undergraduate, 2021 - 2022

Phytochemistry and Analysis Methods, Postgraduate, 2021 - 2022, 2020 - 2021

Farmakognozi Lab. III, Undergraduate, 2021 - 2022

Tıbbi ve Aromatik Bitkilerin Kullanım Alanları, Postgraduate, 2022 - 2023

Fitokozmetikler, Postgraduate, 2022 - 2023

Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022

Bitkisel ürünler ve ilaçlar ile etkileşimleri, Undergraduate, 2020 - 2021

Farmakognozi I, Undergraduate, 2020 - 2021

Eczane Hizmetlerine Giriş, Associate Degree, 2021 - 2022

Kozmesötikler, Undergraduate, 2020 - 2021

Natural products, Postgraduate, 2020 - 2021

## Jury Memberships

Doctoral Examination, Doctoral Examination, Erciyes University, December, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Van Yüzüncü Yil Üniversitesi, September, 2021

Doctoral Examination, Doctoral Examination, Tokat Gaziosmanpaşa Üniversitesi, February, 2021

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

- I. **Chemical profile, in vitro pharmacological activity and Satureja cuneifolia Ten. evaluation of essential oil based on distillation time**  
Yıldız G., Ilgün S., Şeker Karatoprak G., Köse Y. B., Göger F., Temel H. E., Demirci B.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, vol.34, no.4, pp.1944-1960, 2024 (SCI-Expanded)
- II. **The relationship between the chemical components and skin-related enzyme inhibition, antioxidant activities, and toxicity profile of Helichrysum armenium subsp. armenium**  
Yıldız G., Şeker Karatoprak G., Ilgün S., Yılmaz M. A., Köse Y. B., Zengin G.  
PLANT BIOSYSTEMS, vol.158, no.1, pp.119-129, 2024 (SCI-Expanded)
- III. **Origanum minutiflorum: Phytochemical profile and inhibitory effects on key enzymes associated with inflammation**  
Yıldız G., Temel H. E., Ağalar H. G., Kirimer N.  
PLANT BIOSYSTEMS, vol.157, no.4, pp.858-864, 2023 (SCI-Expanded)
- IV. **Phytochemical Composition and Biological Activities of Arctium minus (Hill) Bernh.: A Potential**

### **Candidate as Antioxidant, Enzyme Inhibitor, and Cytotoxic Agent**

Ilgün S., Şeker Karatoprak G., Çiçek Polat D., Köngül Şafak E., Yıldız G., Akkol E., Sobarzo-Sánchez E.  
ANTIOXIDANTS, vol.10, no.11, pp.1852, 2022 (SCI-Expanded)

#### **V. Composition of the Essential Oil of *Salvia montbretii* Benth. from Turkey**

Abak F., Yıldız G., Atamov V., Kürkçüoğlu M.

RECORDS OF NATURAL PRODUCTS, vol.12, no.5, pp.426-431, 2018 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Origanum minutiflorum O. Schwarz et P. H. Davis essential oil: enzyme inhibitory activities and chemical composition**  
Yıldız G., Demirci B., Temel H. E., Kirimer N.  
JOURNAL OF RESEARCH IN PHARMACY, vol.27, no.5, pp.2160-2169, 2023 (ESCI)
- II. **Chemical composition of *Artemisia squamata* L. essential oil**  
Yıldız G., Demirci B., Duran A., Başer K. H. C.  
Natural Volatiles & Essential Oils, vol.8, no.2, pp.13-17, 2021 (Scopus)
- III. **Essential oil composition of *Onosma isaurica* Boiss. & Heldr. and *Onosma bulbotrichum* DC. from Tokat, Turkey**  
Yıldız G., Kürkçüoğlu M., Köse Y. B.  
Natural Volatiles & Essential Oils, vol.7, no.1, pp.30-33, 2020 (Scopus)
- IV. **Essential oil composition of two *Scutellaria* from Tokat province of Turkey**  
Kürkçüoğlu M., Yıldız G., Köse Y. B.  
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, vol.6, no.2, pp.115-118, 2019 (Scopus)
- V. **Biological activities and luteolin derivatives of *Verbascum eskisehirensis* Karavel., Ocak & Ekici**  
Öztürk G., Ağalar H. G., Yıldız G., Göger F., Kirimer N.  
MARMARA PHARMACEUTICAL JOURNAL, vol.23, no.3, pp.532-542, 2019 (Scopus)
- VI. **Essential oil composition of *Stachys obliqua* Waldst. et Kit.**  
Demirci B., Yıldız G., Kirimer N., Ocak A., Başer K. H. C.  
Natural Volatiles & Essential Oils, vol.5, no.1, pp.17-22, 2018 (Scopus)
- VII. ***Pistacia terebinthus* meyvesi ve menengiç kahvesinden hazırlanan ekstrelerin toplam fenolik ve flavonoit madde kompozisyonlarının ve antioksidan etkilerinin karşılaştırılması**  
Şeker Karatoprak G., Yıldız G., Gürbüz P.  
ERÜ Sağlık Bilimleri Fakültesi Dergisi, vol.25, pp.25-33, 2016 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **PHYTOCHEMICAL AND PHARMACOLOGICAL RESEARCH ON *NEPETA BETONICIFOLIA***  
Yıldız G., Aysan S.  
BİLTEK-IX INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES, Hakkari, Turkey, 31 May - 02 June 2024, pp.945-952
- II. **THERAPEUTIC POTENTIAL AND CHEMICAL COMPOSITION OF *TANACETUM POLYCEPHALUM* SUBSP. *ARGYROPHYLLUM***  
Yıldız G., Kızıldaş Z.  
The 10th International Mediterranean Symposium on Medicinal and Aromatic Plants, İstanbul, Turkey, 25 - 27 April 2024, pp.294-301
- III. ***SIDERITIS LIBANOTICA* SUBSP. *MICROCHLAMYS*'İN UÇUCU BİLEŞENLERİNİN KİMYASAL PROFİLİ, TOPLAM FENOLİK İÇERİĞİ VE ANTI-İNFLAMATUVAR POTANSİYELİNİN DEĞERLENDİRİLMESİ**  
Yıldız G., Eroğlu H., Güleşçe B., Balakan H., Demirci B.  
VAN YÜZÜNCÜ YIL ÜNİVERSİTESİ 2. ULUSLARARASI SAĞLIK BİLİMLERİ KONGRESİ, Van, Turkey, 18 - 19

December 2023, pp.228-231

- IV. **Satureja cuneifolia Ten. uçucu yağ ve ekstralarının enzim inhibisyon aktivitesi ve kimyasal bileşimleri yönünden değerlendirilmesi**  
Yıldız G., Göger F., Köse Y. B., Demirci B.  
XXIV. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, Turkey, 23 - 26 June 2022, pp.289-290
- V. **Origanum minutiflorum'un enzim inhibisyon aktiviteleri ve kimyasal bileşimleri yönünden değerlendirilmesi**  
Yıldız G., Temel H. E., Ağalar H. G., Demirci B., Kirimer N.  
XXIV. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, Turkey, 23 - 26 June 2022, pp.117-118
- VI. **İki Salvia L. türünün uçucu yağ kompozisyonu ve anti-tirozinaz aktivitesinin belirlenmesi**  
Yıldız G., Öztürk G., Eroğlu H., Demirci B.  
XXIV. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, Turkey, 23 - 26 June 2022, pp.287-288
- VII. **CYCLOOXYGENASE INHIBITORY ACTIVITY AND COMPOSITION OF ECHINOPHORA TENUIFOLIA L. SUBSP. SIBTHORPIANA (GUSS.) TUTIN L. ESSENTIAL OIL**  
Yıldız G., Temel H. E., Demirci B.  
The Seventh International Mediterranean Symposium on Medicinal and Aromatic Plants, İzmir, Turkey, 18 - 20 November 2021, pp.46
- VIII. **5-LIPOXYGENASE ENZYME INHIBITORY ACTIVITY OF ORIGANUM MINUTIFLORUM O. SCHWARZ ET P.H. DAVIS VARIOUS EXTRACTS**  
Yıldız G., Temel H. E., Kirimer N.  
13th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, pp.120-121
- IX. **CHEMICAL COMPOSITION OF HYPERICUM SCABRUM L. ESSENTIAL OIL**  
Yıldız G., Kürkçüoğlu M., Köse Y. B., Başer K. H. C.  
13th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 22 - 25 June 2021, pp.242
- X. **Volatile components of two Onosma from Turkey**  
Yıldız G., Köse Y. B., Kürkçüoğlu M.  
50th International Symposium on Essential Oils, Vienna, Austria, 9 - 12 September 2019, pp.205
- XI. **ESSENTIAL OIL COMPOSITION OF CENTRANTHUS LONGIFLORUS STEVEN SUBSP. LONGIFLORUS FROM TURKEY**  
Yıldız G., Köse Y. B., Kürkçüoğlu M.  
The Fifth International Mediterranean Symposium on Medicinal and Aromatic Plants, Nevşehir, Turkey, 24 - 26 April 2019, pp.31
- XII. **INVESTIGATION OF TRADITIONAL USAGE AND BIOACTIVITY STUDIES OF VIBURNUM OPULUS L. (GILABURU)**  
Duman S. B., Yıldız G., Altıntaş A.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.1031
- XIII. **Essential oil composition of Sideritis montana from Tokat**  
Yıldız G., Köse Y. B., Kürkçüoğlu M.  
4th International Symposium of Medicinal and Aromatic Plants, İzmir, Turkey, 2 - 04 October 2018, pp.224
- XIV. **Volatile Compounds of Scutellaria altissima L. and Scutellaria orientalis L. subsp. pinnatifida Edmondson from Turkey**  
Kürkçüoğlu M., Yıldız G., Köse Y. B.  
INTERNATIONAL CHEMISTRY & BIOLOGY CONFERENCE'18, Kafr-Ash-Shaykh, Egypt, 11 - 14 July 2018, pp.68
- XV. **THERMOGENIC EFFECTIVE HERBAL DRUGS SUPPORTING OBESITY TREATMENT**  
Duman S. B., Yıldız G., Altıntaş A.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.1032
- XVI. **PHYTOCOSMETICS IN THE COSMETIC INDUSTRY**  
Yıldız G., Duman S. B., Altıntaş A.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.892
- XVII. **ESSENTIAL OIL COMPOSITION OF XERANTHEMUM ANNUUM L. FROM TURKEY**  
Yıldız G., Köse Y. B., Kürkçüoğlu M.

- 12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.162
- XVIII. **COMPOSITION OF THE ESSENTIAL OIL OF HYPERICUM LANUGINOSUM LAM. Var. LANUGINOSUM LAM.**  
Yıldız G., Kürkçüoğlu M., Kırimer N.  
The Fourth International Mediterranean Symposium on Medicinal and Aromatic Plants, Antalya, Turkey, 18 - 22 April 2018, pp.131
- XIX. **CHEMICAL COMPOUNDS OF HAPLOPHYLLUM THESIOIDES ESSENTIAL OIL**  
Yıldız G., Demirci B.  
The Fourth International Mediterranean Symposium on Medicinal and Aromatic Plants, Antalya, Turkey, 18 - 22 April 2018, pp.132
- XX. **Artemisia squamata Türünün Meyve ve Toprak Üstü Kısımları Uçucu Yağ Kompozisyonu**  
Yıldız G., Demirci B., Duran A., Başer K. H. C.  
XXIII. Bitkisel ilaç hammaddeleri toplantısı, Antalya, Turkey, 9 - 12 April 2018, pp.78
- XXI. **TRADITIONAL USE OF SORBUS DOMESTICA L. IN TURKEY**  
Duman S. B., Yıldız G., Kırimer N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 October 2017, pp.552
- XXII. **VOLATILE COMPONENTS OF VARIOUS PARTS OF PISTACIA TEREBINTHUS L. SPP. PALAESTINA (BOISS.)**  
Yıldız G., Kürkçüoğlu M., Kırimer N.  
2th International Gazi Symposium Series, Ankara, Turkey, 11 - 13 October 2017, pp.279
- XXIII. **ESSENTIAL OIL USED AROMATHERAPY**  
Yıldız G., Duman S. B.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2017, pp.242
- XXIV. **PEGANUM HARMALA L. 'NİN TÜRKİYE' DE HALK ARASINDA KULLANIMI**  
Yıldız G., Duman S. B., Kırimer N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 October 2017, pp.243
- XXV. **Composition of Helichrysum italicum (Roth.) G. Don essential oil from Cyprus**  
Demirci B., Yıldız G., Koyuncu M., Buharaloğlu K., Başer K. H. C.  
I. Medical and Aromatical Plants Congress, Konya, Turkey, 9 - 12 May 2017, pp.1713
- XXVI. **Essential oil composition of Stachys obliqua Waldst. et Kit**  
Demirci B., Yıldız G., Kırimer N., Ocak A., Başer K. H. C.  
International Symposium on Advance in Lamiaceae Science,, Antalya, Turkey, 26 - 29 April 2017, pp.103
- XXVII. **Enzyme inhibition and free radical scavenging activities of wild collected Thymbra sintenisii Bornm. et Aznav. subsp. sintenisii Bornm. et Aznav. from Turkey**  
Özek T., Yur S., Yıldız G., Tekin F., Göger F., Özek G.  
, International Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 3 - 05 April 2017, pp.101
- XXVIII. **Doğadan Fabrikaya: Zingiber officinale Roscoe**  
Yıldız G., Kırimer N.  
XII. Türk Eczacılık Tarihi Toplantısı, Eskişehir, Turkey, 1 - 03 June 2016, pp.96

## Supported Projects

Yıldız G., Urgan D., Project Supported by Higher Education Institutions, Helichrysum Armenium Subsp Araxinum Üzerine Farmakognozik Araştırmalar , 2024 - 2025

Yıldız G., Şeker Karatoprak G., Ilgın S., Yılmaz M. A., Demirci B., Project Supported by Higher Education Institutions, Origanum Minutiflorum'un Sekonder Metabolit Profilindeki Değişime Bağlı Biyolojik Aktivitesinin Değerlendirilmesi , 2024 - 2024

Yıldız G., KIZILTAŞ Z., Project Supported by Higher Education Institutions, Tanacetum polycephalum subsp argyrophyllumun biyolojik aktivitesinin ve kimyasal içeriğinin belirlenmesi, 2023 - 2024

Yıldız G., AYSAN S., Project Supported by Higher Education Institutions, Nepeta Betonicifolia'nın Terapötik Potansiyelinin ve Kimyasal İçeriğinin Araştırılması, 2023 - 2024

Yıldız G., Ilgün S., Şeker Karatoprak G., Project Supported by Higher Education Institutions, Evaluation of Chemical Content and Biological Activities of *Orobancha ramosa* L, 2023 - 2024

Yıldız G., Project Supported by Higher Education Institutions, Ada çayı üzerine farmakognozik arařtırmalar, 2021 - 2022

Yıldız G., Şeker Karatoprak G., Yılmaz M. A., Project Supported by Higher Education Institutions, *Helichrysum armenium* subsp *armenium* ve *Hypericum scabrum*'un biyolojik aktivitelerinin in vitro olarak incelenmesi ve SK-KS/KS profillerinin belirlenmesi, 2021 - 2022

Yıldız G., Açar M., Yılmaz A., Tayanç M., Project Supported by Other Official Institutions, SİİRT İLİNDE BİYOLOJİK ÇEŞİTLİLİĞE DAYALI GELENEKSEL BİLGİNİN BELİRLENMESİ PROJESİ, 2021 - 2022

Yıldız G., Kürkcüođlu M., Kırimer N., Project Supported by Higher Education Institutions, *Origanum munitiflorum* O. Schwarz et P.H.Davis Üzerinde Farmakognozik Arařtırmalar, 2018 - 2020

Yıldız G., Göger F., Temel H. E., Demirci B., Project Supported by Higher Education Institutions, *Echinophora tenuifolia* L. subsp. *sibthorpiana* (Guss.) Tutin L. uçucu yağ ve farklı polaritedeki ekstraktlarının inflamasyon belirteçleri üzerine etkisinin in vitro olarak incelenmesi, 2018 - 2020

## Memberships / Tasks in Scientific Organizations

Farmakognozi ve Fitoterapi Derneđi, Member, 2019 - Continues, Turkey

## Scientific Refereeing

ACTA PHARMACEUTICA SCIENTIA, National Scientific Refreed Journal, December 2022

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, November 2022

ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, National Scientific Refreed Journal, October 2022

Türkiye Tarımsal Arařtırmalar Dergisi, Other Indexed Journal, June 2022

TÜRKİYE TARIMSAL ARAŞTIRMALAR DERGİSİ, Other Indexed Journal, June 2022

Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi (HUIPHARM), Other Indexed Journal, April 2022

Current Perspectives on Medicinal and Aromatic Plants (CUPMAP), Other Indexed Journal, March 2022

International Journal of Secondary Metabolite (IJSM), Other Indexed Journal, January 2022

TURKISH JOURNAL OF BOTANY, Journal Indexed in SCI-E, December 2021

SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, December 2021

TUBITAK Project, 2209-A - Üniversite Öğrencileri Arařtırma Projeleri Destekleme Programı, Van Yüzüncü Yil University, Turkey, September 2021

Current Perspectives On Medicinal And Aromatic Plants (CUPMAP), Other Indexed Journal, May 2021

JOURNAL OF APPLIED BIOLOGICAL SCIENCES, National Scientific Refreed Journal, February 2021

Current Perspectives on Medicinal and Aromatic Plants (CUPMAP), Other Indexed Journal, January 2021

Current Perspectives on Medicinal and Aromatic Plants (CUPMAP), Other Indexed Journal, December 2020

## Metrics

Publication: 40  
Citation (Scopus): 6  
H-Index (Scopus): 1

## Congress and Symposium Activities

I. ULUSAL AROİD KONGRESİ, Working Group, Eskişehir, Turkey, 2019

## **Non Academic Experience**

Hospital, Medikalpark Hastanesi, Eczane