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Personal Information

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International Researcher IDs

ORCID: 0000-0002-7712-7259

Yoksis Researcher ID: 261880

Education Information

Doctorate, Ataturk University, Sağlık Bilimleri Enstitüsü, Eczacılık Farmakognozi Anabilim Dalı Başkanlığı, Turkey 2016 - 2022

Undergraduate, Ataturk University, Eczacılık Fakültesi, Eczacılık Fakültesi, Turkey 2011 - 2016

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, Bilimsel Aromaterapi Eğitimi, Yeditepe Üniversitesi, 2022

Vocational Training, Bilimsel Apiterapi Eğitimi, Yeditepe Üniversitesi, 2022

Vocational Training, Bilimsel Fitoterapi Eğitimi, Yeditepe Üniversitesi, 2021

Vocational Training, Bilimsel Fitokozmetik Eğitimi, Yeditepe Üniversitesi, 2021

Vocational Training, Eğitimcilerin Eğitimi, 2021

Occupational Health and Safety, İş Sağlığı ve Güvenliği Eğitimi, EBYÜ İş Sağlığı ve Güvenliği Uygulama ve Araştırma Merkezi, 2018

Dissertations

Doctorate, Investigation of the Effects of Vicia canescens subsp. variegata and Vicia erzurumica Extracts in Cell Culture Media and Experimental Parkinson's Model Induced Rats, Isolation and Structure Determination of the Substances Responsible for the Effect, Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2022

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

Academic titles / tasks

Assistant Professor, Erzincan Binali Yildirim University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2022 - Continues

Research Assistant PhD, Erzincan Binali Yildirim University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2022 - 2022

Research Assistant, Erzincan Binali Yildirim University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2017 - 2022

Academic and Administrative Experience

Engelsiz Birimi Başkanı, Erzincan Binali Yildirim University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2021 - Continues

Courses

Farmakognozi-3, Undergraduate, 2023 - 2024

Farmakognozi-1, Undergraduate, 2023 - 2024

Fitokozmetikler, Undergraduate, 2023 - 2024

Bitkisel Drogaların Makroskobik ve Mikroskobik Analizi, Postgraduate, 2023 - 2024

Ekstraksiyon Teknikleri ve Uygulama Alanları, Postgraduate, 2023 - 2024

Farmakognozi-2, Undergraduate, 2023 - 2024

Farmakognozi Laboratuvarı-2, Undergraduate, 2021 - 2022

Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Farmakognozi Laboratuvarı-1, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring *Astrodaucus orientalis* (L.) Drude: Phytochemical Analysis and its Biological Potential Against Alzheimer's and Diabetes**
YUCA H., AYDIN B., KARAKAYA S., Goger G., Bingöl Z., Civas A., KOCA M., DEMİRCİ B., Sytar O., GÜLÇİN İ., et al.
Chemistry and Biodiversity, vol.21, no.2, 2024 (SCI-Expanded)
- II. **Exploring *Astrodaucus orientalis* (L.) Drude: Phytochemical Analysis and its Biological Potential Against Alzheimer's and Diabetes**
Yuca H., Aydın B., Karakaya S., Göger G., Bingöl Z., Civas A., Koca M., Demirci B., Sytar O., Gülçin İ., et al.
Chemistry & Biodiversity, vol.21, no.2, pp.1-14, 2024 (SCI-Expanded)
- III. **Phytochemical screening, biological evaluation, anatomical, and morphological investigation of *Ferula tingitana* L. (Apiaceae)**
KARAKAYA S., YUCA H., Yılmaz G., AYDIN B., TEKMAN E., EKŞİ BONA G., BONA M., Göger G., KARADAYI M., Gülşahin Y., et al.
Protoplasma, vol.260, no.6, pp.1581-1601, 2023 (SCI-Expanded)
- IV. **Anatomical, Morphological, and Chemical Characterizations and Biological Activities of *Gagea taurica* Steven (Liliaceae): A New Record for the Turkish Flora**
YUCA H., KARAKAYA S., EKŞİ BONA G., AYDIN B., Goger G., BONA M., Tekman E., ACAR ŞAHİN A., Sytar O., PINAR N. M., et al.
Chemistry and Biodiversity, vol.20, no.9, 2023 (SCI-Expanded)
- V. **Qualitative and quantitative phytochemicals of essential oils and extracts of *Thymbra spicata* subsp. *spicata* L. as a spice for diabetes mellitus**
YUCA H., Civaş A., TEKMAN E., Nadiroğlu R., Karakaş Ş., Dürüster Ş., Keçeci E. B., BONA M., Nobarirezaeyeh M., AYDIN B., et al.
Flavour and Fragrance Journal, vol.38, no.5, pp.378-391, 2023 (SCI-Expanded)

- VI. **The anatomical, morphological features, and biological activity of *Scilla siberica* subsp. *armena* (Grossh.) Mordak (Asparagaceae)**
AYDIN B., YUCA H., KARAKAYA S., Bona G. E., GÖGER G., TEKMAN E., Şahin A. A., Sytar O., Civas A., Canlı D., et al.
Protoplasma, vol.260, no.2, pp.371-389, 2023 (SCI-Expanded)
- VII. **Short Lecture "Essential oils of *Thymus fallax* and *Thymus migricus* from Turkey: Compositions, total phenolic contents, in vitro antidiabetic and antioxidant activities"**
Yuca H., Aydın B., Yılmaz B., Eren Ü., Güvenalp Z.
PLANTA MEDICA, vol.88, no.15, pp.1406, 2022 (SCI-Expanded)
- VIII. **Screening of antimicrobial, antioxidant, antidiabetic activities, anatomical and morphological properties of *Colchicum speciosum* Steven (Colchicaceae)**
KARAKAYA S., GÖGER G., Bona G. E., YUCA H., Aydın B., TEKMAN E., Şahin A. A., PINAR N. M., GÜVENALP Z.
Protoplasma, vol.259, no.6, pp.1493-1506, 2022 (SCI-Expanded)
- IX. **Evaluation of anticholinesterase effect of some *Epilobium* species and quantification of hyperoside by HPLC**
KARAKAYA S., SÜNTAR İ., AYDIN B., Dursunoglu B., GÖZCÜ S., ŞENOL O., BAYRAK B., ÖZBEK H., KOCA M., Ceribasi S., et al.
NATURAL PRODUCT RESEARCH, vol.36, no.5, pp.1296-1299, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **COMPARISON OF SOME BIOLOGICAL ACTIVITIES AND CATECHIN TANNIN CONTENTS OF TWO JUNIPERUS AND PRUNUS SPECIES İKİ JUNİPERUS VE PRUNUS TÜRÜNÜN BAZI BİYOLOJİK AKTİVİTELERİNİN VE KATEŞİN TANEN İÇERİKLERİNİN KARŞILAŞTIRILMASI**
YUCA H., DemiRcan H. C., AYDIN B., Önal M., TEKMAN E., CİVAŞ A., NobariRezaeyeh M., Göger G., KARAKAYA S., GÜVENALP Z.
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.2, pp.650-666, 2023 (Scopus)
- II. ***Peganum harmala* L. (Nitrariaceae) Bitkisinin α -Amilaz ve α -Glukozidaz Enzim İnhibisyon, Antioksidan ve Antimikrobiyal Aktivitelerinin Değerlendirilmesi**
Yuca H., Aydın B., Tekman E., Göger G., Karakaya S., Güvenalp Z., Gençler Özkan A. M.
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.9, no.4, pp.925-932, 2022 (Peer-Reviewed Journal)

Books & Book Chapters

- I. ***Melissa officinalis* L.**
Aydın B.
in: Novel Drug Targets With Traditional Herbal Medicines, Fatma Tuğçe GÜRAĞAÇ DERELİ, Mert İLHAN, Tarun Belwal, Editor, Springer, London/Berlin, Zürich, pp.401-422, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **THE EVALUATION OF ANTIOXIDANT ANTIDIABETIC ANTIMICROBIAL ACTIVITIES AND ANATOMICAL PROPERTIES OF *TRICHOLOMA TERREUM* SCHAEFF P KUMM *TRICHOLOMATACEAE***
Aydın İ. Ç., Ertuğrul M. S., Yuca H., Tekman E., Civas A., Aydın B., Acar Şahin A., Göger G., Akata I., Nobarirezaeyeh M., et al.
3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 7 - 09 September 2022, pp.136-138
- II. **THE EVALUATION OF ANTIOXIDANT ANTIMICROBIAL ANTIDIABETIC ACTIVITIES AND ANATOMICAL**

PROPERTIES OF ARMILLARIA MELLEA VAHL P KUMM PHYSALACIRIACEAE

CİVAŞ A., TEKMAN E., YUCA H., AYDIN B., ÖZER E. B., Nobarirezaeyeh M., ŞAHİNÖZ M. Z., AKATA I., GÖGER G., ACAR ŞAHİN A., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 07 September 2022, pp.127-129

III. SCREENING OF IN VITRO ANTIDIABETIC ANTIOXIDANT ANTIMICROBIAL ACTIVITIES AND ANATOMICAL PROPERTIES OF AN EDIBLE MUSHROOM LYCOPERDON PYRIFORME SCHAEFF

YUCA H., TEKMAN E., CİVAŞ A., AYDIN B., ACAR ŞAHİN A., GÖGER G., AKATA I., Nobarirezaeyeh M., ÖZER E. B., ŞAHİNÖZ M. Z., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 07 September 2022, pp.146-148

IV. THE ESTIMATION OF ANTIOXIDANT ANTIMICROBIAL ANTIDIABETIC ACTIVITIES AND ANATOMICAL PROPERTIES OF AN EDIBLE MUSHROOM PLEUROTUS OSTREATUS JACQ P KUMM PLEUROTACEAE

TEKMAN E., YUCA H., CİVAŞ A., AYDIN B., ÖZER E. B., Nobarirezaeyeh M., ŞAHİNÖZ M. Z., AKATA I., GÖGER G., ACAR ŞAHİN A., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 07 September 2022, pp.143-145

V. EVALUATION OF IN VITRO ANTIDIABETIC ANTIOXIDANT ANTIMICROBIAL ACTIVITIES AND ANATOMICAL PROPERTIES OF AN EDIBLE MUSHROOM MACROLEPIOTA PROCERA SCOP SINGER

ÖZER E. B., ŞAHİNÖZ M. Z., Nobarirezaeyeh M., CİVAŞ A., AYDIN B., TEKMAN E., YUCA H., ACAR ŞAHİN A., GÖGER G., AKATA I., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 07 September 2022, pp.130-132

VI. ASSESSMENT OF IN VITRO ANTIDIABETIC ANTIOXIDANT ANTIMICROBIAL ACTIVITIES AND ANATOMICAL PROPERTIES OF COPRINUS ATRAMENTARIUS BULL FR

ŞAHİNÖZ M. Z., ÖZER E. B., Nobarirezaeyeh M., CİVAŞ A., AYDIN B., TEKMAN E., YUCA H., ACAR ŞAHİN A., GÖGER G., AKATA I.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 07 September 2022, pp.149-150

VII. THE EVALUATION OF ANTIOXIDANT ANTIDIABETIC ANTIMICROBIAL ACTIVITIES AND ANATOMICAL PROPERTIES OF LYOPHYLLUM DECASTES FR SINGER LYOPHYLLACEAE

Ertuğrul M. S., Aydın İ. Ç., Aydın B., Yuca H., Civaş A., Tekman E., Göger G., Acar Şahin A., Nobarirezaeyeh M., Özer E. B., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 7 - 09 September 2022, pp.133-135

VIII. THE ASSESSMENT OF ANTIOXIDANT ANTIMICROBIAL ANTIDIABETIC ACTIVITIES AND ANATOMICAL PROPERTIES OF LEPISTA NUDA BULL COOKE TRICHOLOMATACEAE

Nobarirezaeyeh M., ŞAHİNÖZ M. Z., ÖZER E. B., AYDIN B., CİVAŞ A., TEKMAN E., YUCA H., GÖGER G., AKATA I., ACAR ŞAHİN A., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 07 September 2022, pp.124-126

IX. The Evaluation of Antioxidant Antidiabetic Antimicrobial Activities and Anatomical Properties of Clitocybe nebularis Batsch P Kumm Tricholomataceae

Aydın B., Nobarirezaeyeh M., Civaş A., Tekman E., Yuca H., Özer E. B., Şahinöz M. Z., Akata I., Göger G., Acar Şahin A., et al.

3rd INTERNATIONAL EURASIAN MYCOLOGY CONGRESS (EMC'22), Van, Turkey, 7 - 09 September 2022, pp.139-141

X. Essential oils of Thymus fallax and Thymus migricus from Turkey: Compositions, total phenolic contents, in vitro antidiabetic and antioxidant activities

Yuca H., Aydın B., Yılmaz B., Eren Ü., Güvenalp Z.

70th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Thessaloniki, Greece, 28 - 31 August 2022, pp.57

XI. Antioxidant Capacity and Phenolic Composition of Gagea chanae Grossh. and Scilla siberica Haw.

AYDIN B., TEKMAN E., YUCA H., KARAKAYA S., GÜVENALP Z.

3rd International Symposium on Biodiversity Research, ISBR 2021, Erzurum, Turkey, 20 October 2021

XII. ANTIOXIDANT CAPACITY AND PHENOLIC COMPOSITION OF COLCHICUM SPECIOSUM STEVEN (COLCHICACEAE)

AYDIN B., TEKMAN E., KARAKAYA S., GÜVENALP Z.

3rd International Gazi Pharma Symposium Series (GPSS-2021), Ankara, Turkey, 08 September 2021

- XIII. **ANATOMICAL CHARACTERIZATION OF CERINTHE MINOR L. (BORAGINACEAE)**
Aydın B., Yuca H., Karakaya S., Güvenalp Z.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), Ankara, Turkey, 22 - 25 June 2021, pp.238
- XIV. **ANTIOXIDANT CAPACITY AND PHENOLIC COMPOSITION OF WHEAT GENOTYPE**
Aydın B., Özbek H., Sevindik H. G., Öztürk A., Kodaz S., Aydın M., Güvenalp Z.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), Ankara, Turkey, 22 - 25 June 2021, pp.237-238
- XV. **ANTIOXIDANT CAPACITY AND PHENOLIC COMPOSITION OF HUSKED BARLEY GENOTYPE**
Özbek H., Sevindik H. G., Aydın B., Öztürk A., Kodaz S., Aydın M., Güvenalp Z.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), Ankara, Turkey, 22 - 25 June 2021, pp.242-243
- XVI. **Investigation of Anatomical Structure of Primula veris L.**
Yuca H., Aydın B., Karakaya S., Güvenalp Z.
13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), Ankara, Turkey, 22 - 25 June 2021, pp.235
- XVII. **Paklitaksel Toksisitesi Oluşturulmuş Sıçanlarda Aesculus Hippocastanum Bitki Ekstresinin Etkilerinin İncelenmesi**
Aydın İ. Ç., Ferah Okkay I., Aydın B.
5. Uluslararası Hipokrat Tıp ve Sağlık Bilimleri Kongresi, 18 - 19 December 2020, pp.363-372
- XVIII. **The discovery of total phenolic, flavonoid contents and antioxidant capacities of two Heliotropium species**
KASİL H. G., AYDIN B., KARAKAYA S., KILIÇ C. S., GÜVENALP Z.
4th Organic Chemistry Congress, 4 - 07 October 2018
- XIX. **Anatomy of Epilobium angustifolium L. (Onagraceae)**
AYDIN B., KARAKAYA S., GÜVENALP Z.
ISOPS 12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XX. **Inhibitory Effect of Elaeagnus rhamnoides (L.) A. Nelson subsp. caucasica Rousi on Alpha-Glucosidase**
YUCA H., AYDIN B., ÖZBEK H., DEMİREZER L. Ö., GÜVENALP Z.
ISOPS 12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXI. **Comparison of Alpha-Glucosidase Inhibitory and Antioxidant Activities of Different Sumac Products**
AYDIN B., SEVİNDİK H. G., YUCA H., GÖZCÜ S., GÜVENALP Z.
ISOPS 12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXII. **Screening for Alpha-Glucosidase Inhibition Activity of Paliurus spina-christi Miller**
YUCA H., AYDIN B., ÖZBEK H., DEMİREZER L. Ö., GÜVENALP Z.
ISOPS 12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- XXIII. **Phenolic Compounds from Pedicularis atropurpurea Nordm.**
Özbek H., Akcıl B., Kazaz C., Güvenalp Z.
3 rd International Multidisciplinary Symposium on Drug Research and Development, Erzurum, Turkey, 5 - 07 October 2017, pp.66

Supported Projects

Aydın B., Güvenalp Z., Project Supported by Higher Education Institutions, Investigation of effects of Vicia canescens subsp. variegata and Vicia erzurumica extracts in cell culture media and experimental Parkinson model induced rats , isolation and structure determination of substances responsible for the effect., 2020 - 2022

Kandemir A., Gümüşel B., Gümüşel B., Gürsoy R. N., Kartal M., Köksal E., Erkekoğlu Ü. P., Korkmaz M., Sabuncuoğlu S.,

Altay A., et al., Project Supported by Other Official Institutions, Erzincan Tıbbi ve Aromatik Bitkilerinin Yerel Ekonomiye Kazandırılması, 2018 - 2019

Aydın B., Kasil H. G., Güvenalp Z., Project Supported by Higher Education Institutions, Investigation of Phenolic Composition, Antioxidant and Free Radical Scavenging Effects of Some Heliotropium Species, 2018 - 2018

Metrics

Publication: 35

Citation (Scopus): 4

H-Index (Scopus): 1

Congress and Symposium Activities

1. Eczane Yönetimi Forumu, Audience, Erzurum, Turkey, 2022

Tıbbi Uygulamalarda in silico Simülasyon Teknikleri Çalıştayı, Audience, Erzurum, Turkey, 2021

3rd International Symposium on Biodiversity Research, Attendee, Erzurum, Turkey, 2021

Audience, Erzurum, Turkey, 2021

3rd International Gazi Pharma Symposium Series , Attendee, Ankara, Turkey, 2021

13th International Symposium on Pharmaceutical Sciences (ISOPS 2021), Attendee, Ankara, Turkey, 2021

Attendee, Erzurum, Turkey, 2021

12th International Symposium on Pharmaceutical Sciences (ISOPS), Attendee, Ankara, Turkey, 2018

International Multidisciplinary Symposium on Drug Research and Development, Attendee, Erzurum, Turkey, 2017

Farmakon 2017, Attendee, Erzurum, Turkey, 2017

Obezite, Diyabete Giden Yolda Fruktöz Şurubu, Attendee, Erzurum, Turkey, 2017

Kozmetik Sempozyumu, Attendee, Erzurum, Turkey, 2017

Erzincan Tıbbi ve Aromatik Bitkiler Arama Çalıştayı, Attendee, Erzincan, Turkey, 2017

Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı, TÜBİTAK, 2016 - 2022

Awards

AYDIN B., "Bölüm Birincilik Ödülü", Atatürk Üniversitesi Eczacılık Fakültesi, June 2016