

Asst. Prof. ABDUSSAMAT GÜZEL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-1866-2019

ScopusID: 57194087481

Yoksis Researcher ID: 262311

Education Information

Doctorate, Tokat Gaziosmanpaşa University, Graduate School Of Natural And Applied Sciences, Kimya/Biyokimya, Turkey
2013 - 2016

Postgraduate, Tokat Gaziosmanpaşa University, Graduate School Of Natural And Applied Sciences, Kimya/Biyokimya,
Turkey 2011 - 2013

Undergraduate, Van Yüzüncü Yil University, Eğitim Fakültesi, Kimya Öğrt, Turkey 2006 - 2011

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Ar-Ge ve İnovasyon Mentorluğu Sertifikası, KOBİMEN AKADEMİ, 2019

Other, GC/MS (Gaz Kromatografisi/Kütle Spektroskopisi) cihazı kullanma sertifikası, TETRA, 2013

Other, HPLC (Yüksek Basınç Sıvı Kromatografisi) cihazı kullanma sertifikası, ANT TEKNİK, 2012

Dissertations

Doctorate, Satureja hortensis Bitkisinin Antioksidan Kapasite ve Fenolik Bileşik Kompozisyonu Üzerine Lokasyon ve Hasat Zamanının Etkilerinin Araştırılması, Tokat Gaziosmanpaşa University, Fen Bilimleri, Kimya/Biyokimya, 2016

Postgraduate, Sphaerophysa kotschyana Bitkisinin Bazı Kimyasal Bileşenlerinin Analizi ve Antioksidan Kapasitesinin Belirlenmesi, Tokat Gaziosmanpaşa University, Fen Bilimleri, Kimya/Biyokimya, 2013

Research Areas

Chemistry, Biochemistry, Enzyme Kinetics, vitamins, Fatty acids, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Inonu University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler, 2019 - Continues

Assistant Professor, Harran University, Faculty Of Arts And Sciences, Department Of Molecular Biology And Genetics, 2017 - 2019

Academic and Administrative Experience

Head of Department, Harran University, Faculty Of Science And Letters, Department Of Molecular Biology And Genetics, 2017 - 2019

Courses

İMMÜNOLJİK YÖNTEMLER, Associate Degree, 2020-2021

KLİNİK BİYOKİMYA II, Associate Degree, 2020-2021

FİTOTERAPİ, Associate Degree, 2020-2021

KLİNİK BİYOKİMYA I, Associate Degree, 2020-2021

TEMEL BİYOKİMYA, Associate Degree, 2019-2020

TEMEL LAB. UYG., Associate Degree, 2019-2020

HORMON KİMYASI, Associate Degree, 2019-2020

Genel Kimya 2, Undergraduate, 2018-2019

Genel Kimya 1, Undergraduate, 2018-2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Assessment of antioxidant, acetylcholinesterase, paraoxonase inhibition activities and phenolic content of Alchemilla lithophila**
Güzel A.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.37, no.1, pp.25-32, 2024 (SCI-Expanded)
- II. **N-Heterocyclic Compounds, in silico Molecular Docking Studies, and in vitro Enzyme Inhibition Effect Against Acetylcholinesterase Inhibitors**
Güzel A., Işık Z., Gök Y., Taşkın Tok T., Aktaş A.
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.2023, pp.2416-2426, 2023 (SCI-Expanded)
- III. **Determination of phytochemical content by LC-MS/MS, investigation of antioxidant capacity, and enzyme inhibition effects of nettle (Urtica dioica)**
Ugur Y., Guzel A.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.27, no.5, pp.1793-1800, 2023 (SCI-Expanded)
- IV. **Relationship Between Phenolic Content Determined by LC-MS/MS and Antioxidant Capacity and Enzyme Inhibition of Cyclotrichium Niveum L**
Güzel A.
CHEMISTRY AND BIODIVERSITY, vol.20, no.4, pp.11-15, 2023 (SCI-Expanded)
- V. **Synthesis, Characterization and Inhibitor Properties of Benzimidazolium Salts Bearing 4-(methylsulfonyl)benzyl Side Arms**
Güzel A., Noma S. A. A., Şen Yüksel B., Kazancı A., Taşkın Tok T., Kolaç T., Aktaş A., Ateş B., Aygün M., Gök Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.134320, pp.1-11, 2022 (SCI-Expanded)
- VI. **Synthesis, characterisation, biological evaluation and in silico studies of sulphonamide Schiff bases**
DURGUN M., TÜRKEŞ C., IŞIK M., Demir Y., Saklı A., Kuru A., GÜZEL A., BEYDEMİR Ş., AKOCAK S., Osman S. M., et al.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.35, no.1, pp.950-962, 2020 (SCI-Expanded)

- VII. **Bioassay-guided isolation and identification of antioxidant flavonoids from *Cyclotrichium origanifolium* (Labill.) Manden and Scheng**
Guzel A., Aksit H., Elmastas M., Erenler R.
PHARMACOGNOSY MAGAZINE, vol.13, no.50, pp.316-320, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Telephium imperati'nin LC-MS/MS İLE POLİFENOLLERİN TARANMASI VE ANTİOKSİDAN ÖZELLİKLERİ**
Güzel A.
İnönü üniversitesi Sağlık Hizmetleri Meslek Yüksek Okulu Dergisi, vol.12, no.1, pp.304-315, 2024 (Peer-Reviewed Journal)
- II. **Phytochemical Analysis and Antioxidant, Anticholinesterase and Antiatherogenic Activity of Hairy Tea (*Stachys lavandulifolia*)**
GÜZEL A.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.4, pp.2809-2817, 2023 (Peer-Reviewed Journal)
- III. **LC-MS/MS Analysis, Antioxidant Properties and Inhibition Effect on Some Important Metabolic Enzymes of *Nicotiana rustica* L**
NECİP A., IŞIK M., GÜZEL A., TAKIM K., KAYGISIZ F.
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.24, no.5, pp.930-938, 2021 (ESCI)
- IV. ***Sphaerophysa kotschyana*'nın bazı kimyasal bileşenlerinin antioksidan aktivitesi, izolasyonu ve tanımlanması**
GÜZEL A., ELMASTAŞ M.
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.2, pp.289-296, 2020 (ESCI)
- V. **Fatty Acid Components and vitamin A-vitamin E content of *Sphaerophysa kotschyana*.**
GÜZEL A., ELMASTAŞ M.
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.3, pp.617-620, 2020 (ESCI)
- VI. **Antioxidant Activity, Isolation and Identification of Some Chemical Constituents of *Sphaerophysa kotschyana***
GÜZEL A., ELMASTAŞ M.
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.2, pp.289-296, 2020 (ESCI)
- VII. **FATTY ACID COMPOSITION AND ANTIOXIDANT CAPACITY OF *Myrtus* (*Myrtus communis* L.)**
AKYÜZ M., GÜZEL A., ELMASTAŞ M.
Malaysian Applied Biology Journal, vol.48, no.5, pp.101-112, 2019 (Scopus)
- VIII. **Determination of Antioxidant activity of *Hypericum perforatum*.**
Güzel A., Akyüz M., Şanda M. A.
Journal of Integrative and Anatolian Medicine, vol.1, no.1, pp.9-18, 2019 (Peer-Reviewed Journal)
- IX. **Essential Oil Constituents of *Thuja orientalis* Berries**
KAYA G., KARAKAYA R., TİLGEL E., SANDIKÇI M., YÜCEL E., ÇİÇEK G., KAYIR Ö., AKŞİT H., TELCİ İ., GÜZEL A., et al.
Journal of New Results in Science, vol.7, pp.1-6, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Antioxidant Capacity of *Prometheum sempervivoides* Plant as Grown Naturally in Adıyaman**
GÜZEL A.

2nd International Congress on Scientific Advances, Turkey, 21 December 2022, pp.703-704

- II. **Antioxidant Activity And Enzyme Inhibition Of Mountain Mint (CYCLOTRICHIMUM NIVEUM L).**
GÜZEL A.
IN MEMORY OF PROF GUNES T. YUREGIR 2nd KAHRAMANMARAS BIOCHEMISTRY DAYS, Turkey, 26 November 2022, vol.47
- III. **Investigation of Antioxidant Capacity And Enzyme Inhibition Effects Of Urtica Dioica**
UĞUR Y., GÜZEL A.
IN MEMORY OF PROF GUNES T. YUREGIR 2nd KAHRAMANMARAS BIOCHEMISTRY DAYS, Turkey, 26 November 2022, vol.47
- IV. **Evaluation of Telephium imperati L. in terms of antioxidant activity**
GÜZEL A., KOLAÇ T.
4th Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 3 - 06 November 2022
- V. **Anti-aging effect of Echinops Pungens Against Neurodegenerative and Oxidative Stress**
GÜZEL A.
4th Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 3 - 06 November 2022
- VI. **The benzimidazolium salts bearing 4-(Methylsulfonyl)Benzyl group: Synthesis, characterization, acetylcholinesterase inhibitory properties**
Kazancı A., Noma S. A. A., Güzel A., Gök Y., Ateş B., Aktaş A.
5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.30
- VII. **New benzimidazolium salts bearing 4-(Methylsulfonyl)benzyl group: Synthesis, characterization and inhibitory properties against xanthine oxidase**
Aktaş A., Güzel A., Noma S. A. A., Kazancı A., Kolaç T., Ateş B., Gök Y.
5th International Organic Chemistry Congress, Malatya, Turkey, 14 - 17 October 2021, pp.49
- VIII. **The Effect of Harvesting Time on The Phenolic Compound Composition of Satureja hortensis L. Plant.**
GÜZEL A., ELMASTAŞ M., TELCİ İ.
1. Uluslararası Geleneksel ve Tamamlayıcı Tıp Kongresi, İstanbul, Turkey, 19 - 22 April 2018
- IX. **Determination of Antioxidant Capacity of Sphaerophysa kotschyana Boiss.**
GÜZEL A., ELMASTAŞ M., ŞANDA M. A.
International Symposium on EuroAsian Biodiversity (SEAB-2017), Minsk, Belarus, 5 - 08 July 2017
- X. **Antioxidant Activity of Eriodictyol From Cyclotrichium organifolium**
ELMAŞTAŞ M., GENÇ N., ERENLER R., AKŞİT H., GÜZEL A.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017
- XI. **Determination of Fatty Acid Composition of Sphaerophysa kotschyana Boiss.**
GÜZEL A., ELMASTAŞ M., şanda m. a.
The Second International Turkic World Conference on Chemical Sciences and Technologies, Skopje, Macedonia, 26 - 30 October 2016
- XII. **Nane ruhu (Cyclotrichium organifolium) Bitkisinden Antioksidan Aktiviteye Sahip Flavon Türevlerinin Saflaştırılması ve Yapı Tayini**
ELMAŞTAŞ M., GÜZEL A., AKŞİT H., çelik s. m.
15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015
- XIII. **Sphaerophysa kotschyana Boiss. (FABACEAE) 'nın Vitamin A ve Vitamin E içeriğinin Belirlenmesi**
GÜZEL A., şen ö., şanda m. a., ELMASTAŞ M.
1. Ulusal Organik Kimya Kongresi, Sakarya, Turkey, 25 - 29 October 2013
- XIV. **Depolama Süresinin Fındık Yağ Asit Bileşenleri Üzerine Etkisi**
GENÇ N., AK M., AKŞİT H., GÜZEL A., ELMASTAŞ M.
Kromatografi 2013 Kongresi, Bursa, Turkey, 19 - 22 June 2013
- XV. **Echinophora tenuifolia L. ssp. sibthorpiana (Guss.) Hasat Zamanına Göre Uçucu Yağ Bileşenlerindeki Değişiminin İncelenmesi**
MERAL B., ÇİĞDEM H., DEMİR S., ELMASTAŞ M., TELCİ İ., GENÇ N., AKŞİT H., GÜZEL A., ERENLER R.
Kromatografi 2013 Kongresi, Bursa, Turkey, 19 - 22 June 2013

Supported Projects

AKTAŞ A., YAVUZ K., İÇEN TAŞKIN I., SEVER M. R., YILMAZ Ü., PAŞAHAN A., GÖK Y., GÜZEL A., KOLAÇ T., GÜRSES C., et al., Project Supported by Higher Education Institutions, TiyoI Grubu İçeren BenzimidazolFonksiyonlu N-heterosiklik Karben (NHC) Öncülleri ile Gümüş ve Rutenyum Metal Komplekslerinin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, 2020 - 2024

Güzel A., Project Supported by Higher Education Institutions, Ajuga chamaepitys subsp. laevigata (Banks & Sol.) Bitkisinin Yara ve Yanık Tedavisindeki Etkinliđinin Deđerlendirilmesi İçin Biyoaktivitelerinin İncelenmesi, 2021 - 2022

Scientific Refereeing

BIOMED RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, January 2023

KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, Journal Indexed in ESCI, December 2022

Iđdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, October 2022

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, Journal Indexed in SCI-E, June 2022

Metrics

Publication: 31

Citation (WoS): 75

Citation (Scopus): 74

H-Index (WoS): 2

H-Index (Scopus): 3