

Assoc. Prof. ABDUSSAMAT GÜZEL

Personal Information

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International Researcher IDs

ORCID: 0000-0001-7810-4510

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

ScopusID: 57194087481

Yoksis Researcher ID: 262311

Education

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 Positions

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

Undergraduate

Genel Kimya 2, Undergraduate, 2018-2019

Genel Kimya 1, Undergraduate, 2018-2019

Associate Degree

İMMÜNOLOJİK 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

Journal articles indexed in 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., TÜRKER C., IŞIK M., Demir Y., Sakli 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 ANTIÖKSİDAN 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 DOĞA 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 DOĞA 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 DOĞA 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 DOĞA 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)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **The Antioxidant Capacity of *Prometheum sempervivoides* Plant as Grown Naturally in Adiyaman**
GÜZEL A.
2nd International Congress on Scientific Advances, Turkey, 21 December 2022, pp.703-704, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- X. **Antioxidant Activity of Eriodictyol From *Cyclotrichium organifolium***
ELMASTAŞ 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, (Summary Text)
- 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, (Summary Text)
- XII. **Nane ruhu (*Cyclotrichium organifolium*) Bitkisinden Antioksidan Aktiviteye Sahip Flavon Türevlerinin Saflaştırılması ve Yapı Tayini**
ELMASTAŞ M., GÜZEL A., AKŞİT H., çelik s. m.
15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)

XV. *Echinophora tenuifolia* L. ssp. *sibthorpiana* (Guss.) Hasat Zamanına Göre Uçucu Yağ Bileşenlerindeki Değişiminin İncelenmesi

MERAL B., ÇİĞDEM H., DEMİR S., ELMATAŞ M., TELCİ İ., GENÇ N., AKŞİT H., GÜZEL A., ERENLER R.

Kromatografi 2013 Kongresi, Bursa, Turkey, 19 - 22 June 2013, (Summary Text)

Funded 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, Tiyol 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 Etkinliğinin Değerlendirilmesi İçin Biyoaktivitelerinin İncelenmesi, 2021 - 2022

Peer Reviews in Scientific Publications

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

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

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

Metrics

Publication: 33

Citation (WoS): 131

Citation (Scopus): 130

H-Index (WoS): 4

H-Index (Scopus): 4