

## Lect. PhD SAMED ŞİMŞEK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: JHU-6001-2023

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Yoksis Researcher ID: 272972

### Education Information

Doctorate, Erzincan Binali Yildirim University, Fen Bilimleri Enstitüsü, Chemistry/Biochemistry, Turkey 2017 - 2022

Postgraduate, Erzincan Binali Yildirim University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, Turkey 2014 - 2016

Undergraduate, Osmaniye Korkut Ata University, Fen Edebiyat Fakültesi, Kimya, Turkey 2009 - 2013

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi Sertifikası, Erzincan Binali Yıldırım Üniversitesi, 2022

Education Management and Planning, HPLC-GC/GC-MS, ANT TEKNİK, 2017

Education Management and Planning, Pedagogik Formasyon Sertifikası, Erzincan Üniversitesi/Eğitim Fakültesi, 2014

Education Management and Planning, Stratejik Yönetim, CPA Danışmanlık Hizmetleri, 2012

Education Management and Planning, ISO 9001 : 2008 Kalite Yönetim Sistemi, CPA Danışmanlık Hizmetleri, 2012

Education Management and Planning, ISO 22000 Gıda Güvenliği Yönetim Sistemi, CPA Danışmanlık Hizmetleri, 2012

Education Management and Planning, ISO 14001 Çevre Yönetim Sistemi, CPA Danışmanlık Hizmetleri, 2012

Education Management and Planning, Ohsas 18001 İş Sağlığı ve Güvenliği, CPA Danışmanlık Hizmetleri, 2012

Education Management and Planning, ISO 9001 : 2008 İç Tetkikçi, CPA Danışmanlık Hizmetleri, 2012

### Dissertations

Doctorate, INVESTIGATION OF ANTIPROLIFERATIVE, ANTIDIABETIC AND ANTIOXIDANT POTENTIALS OF SECONDARY METABOLITES ISOLATED FROM THE PLANT *Verbascum leiocarpum*, Erzincan Binali Yildirim University, Fen Bilimleri Enstitüsü, chemistry, 2022

Postgraduate, Tanacetum alyssifolium Bitkisinden Axillarin Bileşiğinin İzolasyonu, Antikanserojen ve Antioksidan Aktivitelerinin Belirlenmesi, Erzincan Binali Yıldırım Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, 2016

## Research Areas

Chemistry, Biochemistry, Bioorganic Chemistry, Plant Chemistry, Chemistry of Natural Products, Natural Sciences

## Academic Titles / Tasks

Lecturer PhD, Erzincan Binali Yildirim University, Çayırılı Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2017 - Continues

## Academic and Administrative Experience

Assistant Director of Vocational School, Erzincan Binali Yildirim University, Çayırılı Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2021 - Continues

## Courses

TEMEL KİMYA II, Undergraduate, 2023 - 2024

TEMEL KİMYA I, Undergraduate, 2023 - 2024

LABORATORY CHEMISTRY, Associate Degree, 2020 - 2021

ORGANIC CHEMISTRY, Associate Degree, 2019 - 2020

LABORATORY INSTRUMENTS, Associate Degree, 2020 - 2021

BIOCHEMISTRY APPLICATIONS, Associate Degree, 2019 - 2020

GENERAL BIOCHEMISTRY, Associate Degree, 2019 - 2020

PATIENT PSYCHOLOGY AND INTERPERSONAL COMMUNICATION, Associate Degree, 2019 - 2020

BIOCHEMISTRY, Associate Degree, 2019 - 2020

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

- I. **Liquid chromatography–tandem mass spectrometry profile and antioxidant, antimicrobial, antiproliferative, and enzyme activities of *Thymus pectinatus* and *Thymus convolutus*: in vitro and in silico approach**  
Akman T. Ç., Şimşek S., Akşit Z., Akşit H., Aydın A., Tüfekçi A. R., Adem Ş., Yılmaz M. A.  
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.104, no.7, pp.4039-4049, 2024 (SCI-Expanded)
- II. **Phytochemical analysis and biological evaluation of *Ferulago setifolia* K. Koch**  
Gözcü S., Akşit Z., Şimşek S., Kandemir A., Aydın A., Yılmaz M. A., Akşit H.  
Journal of the Science of Food and Agriculture, vol.104, no.3, pp.1382-1390, 2024 (SCI-Expanded)
- III. **Comprehensive phenolic profiling and biological evaluation of *Centaurea glastifolia* L. (Asteraceae)**  
GÖZCÜ S., AKŞİT Z., AYDIN A., YILMAZ M. A., ŞİMŞEK S.  
Natural Product Research, 2024 (SCI-Expanded)
- IV. **Chemical composition, antifungal, antibacterial, and insecticidal activity of *Echinophora chrysantha* essential oil**  
AKŞİT Z., FIRAT M. Ç., AKŞİT H., BAYAR Y., ALKAN M., ŞİMŞEK S.  
Journal of Essential Oil-Bearing Plants, vol.27, no.2, pp.374-382, 2024 (SCI-Expanded)
- V. **Ferruginoside D: A Novel Phenylethanoid from *Verbascum leiocarpum***  
ŞİMŞEK S., AKŞİT H., AYDIN A., KÖKSAL E.  
Chemistry and Biodiversity, vol.20, no.12, 2023 (SCI-Expanded)
- VI. **LC-ESI-MS/MS Chemical Characterization, Antioxidant and Antidiabetic Properties of Propolis Extracted with Organic Solvents from Eastern Anatolia Region**  
Akman T. Ç., Şimşek S., Kayir Ö., Akşit Z., Akşit H., Genc N.

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

- VII. **Chemical Composition and Antifungal Activities of the Essential Oils of Thymus Species (Thymus pectinatus, Thymus convolutus, Thymus vulgaris) Against Plant Pathogens**  
AKŞİT H., Bayar Y., ŞİMŞEK S., ULUTAŞ Y.  
Journal of Essential Oil-Bearing Plants, vol.25, no.1, pp.200-207, 2022 (SCI-Expanded)
- VIII. **Isolation, characterization and antiproliferative activity of secondary metabolites from tanacetum alyssifolium (Bornm.) grierson**  
Köksal E., Ulutaş Y., Şimşek S., Bayraktar T., Altay A., Çatır M., Demirtaş İ., Tüfekçi A. R., Kandemir A., Alp C., et al.  
Records of Natural Products, vol.15, no.2, pp.122-129, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Erzincan İli-Ergan Dağı'nın Farklı Rakımlarında Yayılış Gösteren Bazı Taksonların Antioksidan Kapasiteleri**  
Adıgüzelli G., Osma E., Varol T., Şimşek S., Kandemir A.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.7, no.5, pp.2315-2332, 2024 (Peer-Reviewed Journal)
- II. **Exploring the Potential of Psephellus huber-Marathi (Wagenitz) Wagenitz: A Comprehensive UHPLC-MS/MS Analysis of Phytochemical Composition and Evaluation of Antioxidant, Antimicrobial, and Antiproliferative Activities**  
AKMAN T. C., ŞİMŞEK S., AKŞİT Z., AYDIN A., YILMAZ M. A.  
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.27, no.4, pp.782-792, 2024 (ESCI)
- III. **Antioxidant Activity and Theoretical Profile of Novel 2,4,6-Triarylpyridine Derivatives Based on Syringaldehyde**  
ALBAYRAK E. N., ŞİMŞEK S., MUSATAT A. B., MUSATAT A. B., AKŞİT Z., AKŞİT H., ATAHAN A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.12, no.2, pp.981-999, 2024 (Peer-Reviewed Journal)
- IV. **LC-MS /MS characterization and biological activities of Morina persica L. (Caprifoliaceae)**  
GÖZCÜ S., AKŞİT Z., ŞİMŞEK S., KANDEMİR A., AYDIN A., Yılmaz M. A., AKŞİT H.  
Journal of Research in Pharmacy, vol.28, no.4, pp.961-973, 2024 (ESCI)
- V. **Antioxidant activities of plant species growing in different habitats (serpentine, gypsum and limestone)**  
VAROL T., OSMA E., ŞİMŞEK S., ELVEREN M.  
Frontiers in Life Sciences and Related Technologies (Online), vol.4, no.3, pp.150-156, 2023 (Peer-Reviewed Journal)
- VI. **CHEMICAL COMPOSITION AND ANTIFUNGAL ACTIVITY OF Origanum acutidens ESSENTIAL OIL AGAINST Sclerotinia sclerotiorum (Lib.) DE BARY AND Phytophthora infestans (Mont.) DE BARY**  
Bayar Y., Akşit Z., ŞİMŞEK S., KANDEMİR A.  
Black Sea Journal of Agriculture, vol.6, no.5, pp.439-443, 2023 (Peer-Reviewed Journal)
- VII. **Evaluation of insecticidal and enzyme activity potentials of essential oils and extracts of Chenopodium botrys against storage products pests**  
Tüfekçi A. R., Akşit H., Şimşek S., Adem Ş.  
Bulletin of Biotechnology, vol.4, no.1, 7 - 12, pp.1-6, 2023 (Peer-Reviewed Journal)
- VIII. **LC-MS/MS profiling phytochemical content of Echinophora chrysantha (Apiaceae) and antiproliferative, antioxidant activity**  
AKŞİT Z., AKŞİT H., ŞİMŞEK S., KANDEMİR A., KÖKSAL E.  
Pharmacy & Pharmacology International Journal, vol.10, no.5, pp.190-194, 2022 (Peer-Reviewed Journal)
- IX. **New sources of arbutin: Onobrychis nitida and Onobrychis galegifolia**  
Akşit H., Şimşek S., Özdokur K. V., Köksal E.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.3, pp.1733-1737, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The enzyme activity potentials of *Gladiolus halophilus* and *Gypsophila lepidioides* plant species growing in cypiferous soils of Eastern Anatolia against some enzymes (tyrosinase and  $\alpha$ -glycosidase).**  
Tüfekçi A. R., Şimşek S., Varol T., Hameed Z. A., Filazi İ., Adem Ş., Akşit H., Osma E.  
6th INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES (EURASIANBIOCHEM 2023)", Ankara, Turkey, 11 - 13 October 2023, pp.1453-1457
- II. **Synthesis, Biological Activity, and Theoretical Investigations of 2,4,6-Triarylpyridines Based On Syringaldehyde**  
Albayrak E. N., Şimşek S., Akşit Z., Akşit H., Musatat A. B., Atahan A.  
11. ULUSLARARASI BİLİMSEL ÇALIŞMALAR KONGRESİ, Antalya, Turkey, 2 - 03 May 2023, pp.207-208
- III. **Synthesis and Bioactivities of Tetralone/Indanone Derived New Chalcone Derivatives**  
Durmuş T., Musatata A. B., Şimşek S., Akşit Z., Atahan A.  
13th international congress of cosmetics chemistry, production and standardization, Antalya, Turkey, 3 - 05 February 2023, pp.76
- IV. **Synthesis and Bioactivities of New Benzothiazole Derived Bis-Chalcone Derivatives**  
Yalçın E., Musatat A. B., Şimşek S., Akşit Z., Atahan A.  
13th international congress of cosmetics chemistry, production and standardization, Antalya, Turkey, 3 - 05 February 2023, pp.75
- V. **Anticancer and tyrosinase inhibition properties methanolic extracts of some medicinal plants from Erzincan**  
Tüfekçi A. R., Akşit H., Şimşek S., Adem Ş., Kandemir A., Altay A.  
4th International Eurasian Conference on Science, Engineering and Technology , Ankara, Turkey, 14 - 16 December 2022, pp.1255-1259
- VI. **Evaluation of insecticidal and enzyme activity potentials of essential oils and extracts of *Chenopodium botrys* against storage products pests**  
Tüfekçi A. R., Akşit H., Şimşek S., Karakoç Ö. C., Adem Ş.  
5th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 23 - 25 November 2022, pp.134
- VII. **RECOVERING OF CAFFEINE FROM TEA FACTORY WASTE**  
Akşit H., Gözcü S., İsa A., Şimşek S.  
INTERNATIONAL TEA CONGRESS "industrial, cultural and economic dimensions", Lankaran, Azerbaijan, 13 - 15 May 2022, pp.212
- VIII. **Iridoid Glycosides from Endemic *Verbascum leiocarpum***  
Şimşek S., Köksal E., Akşit H., Kandemir A.  
3rd Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.109
- IX. **Investigation of Antimicrobial Activities of Endemic *Achillea sintenisii* Plant**  
Altın S., Köksal E., Akşit H., Akyüz S., Alp C., Şimşek S.  
9th International Drug Chemistry Conference, Antalya, Turkey, 8 - 11 April 2021, pp.63
- X. **Isolation and Characterization of Chlorogenic Acid from *Inula Heterolepis* and Quantification in Some Plants Growing in Erzincan, Turkey**  
Akşit H., Şimşek S., Akşit Z., Köksal E.  
International Eurasian Conference on BioTechnology and BioChemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020, pp.791-795
- XI. **Antioxidant capacity of various extracts of *Scorzenera aucheriana* collected from Erzincan**  
Şimşek S., Akşit H., Köksal E., Kandemir A.  
International Eurasian Conference on BioTechnology and BioChemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020
- XII. **In vitro antidiabetic activity of methanolic extracts of some plants growing in Erzincan**  
AKŞİT H., ADEM Ş., AKŞİT Z., ŞİMŞEK S.

2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), 7 - 09 October 2020

**XIII. Recycling Preparative HPLC Applications in Purification Of Iridoid Glycosides From Plantago Euphratica**

AKŞİT H., ALP C., ŞİMŞEK S., ULUTAŞ Y., KÖKSAL E.

8th. International Conference on Mathematics, Engineering, Natural and Medical Sciences, Erzurum, Turkey, 5 - 08 September 2019

**XIV. TANACETUM ALYSSİFOLİUM BİTKİSİNDEN İZOLE EDİLEN RUTİN ve İZOFRAKSETİN BİLEŞİKLERİNİN RADİKAL GİDERME AKTİVİTELERİ**

Şimşek S., Akşit H., Köksal E.

2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.213

**XV. İmproving a Rapid İsolation Process For Axillarin**

Şimşek S., Akşit H., Köksal E.

2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.114

**XVI. NEW SOURCE OF ARBUTIN: *O. galegifolia* and *O. nitida***

Şimşek S., Akşit H., Köksal E.

2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.113

**XVII. Rosmarinic Acid Content and Radical Scavenging Ability of Some Thyme and Oregano Species**

Ceyran E., Şimşek S., Akşit H., Kandemir A.

ICANAS 2019, Ağrı, Turkey, 19 - 22 June 2019, pp.118-122

**XVIII. Isolation of Axillarin from Tanacetum alyssifolium and determination of anticancerogen and antioxidant properties**

Şimşek S., Köksal E., Çatır M., Tüfekçi A. R., Demirtaş İ.

I. INTERNATIONAL CONGRESS on MEDICINAL and AROMATIC PLANTS: "NATURAL and HEALTHY LIFE", Konya, Turkey, 9 - 11 May 2017, pp.900

## Supported Projects

ELVEREN M., VAROL T., OSMA E., ŞİMŞEK S., Project Supported by Higher Education Institutions, Erzurum, Turkey, 2024 - Continues

Kandemir A., Akşit H., Özdokur K. V., Şimşek S., Türkoğlu H. İ., TÜBİTAK Project, Scrophularia (Scrophulariaceae) Cinsinde Staminod Özellikleri ile Nektar Ve Koku Kimyasının Polinatör Çeşitliliğine Etkisi, 2024 - 2027

AKŞİT Z., ŞİMŞEK S., YILMAZ N., AKŞİT H., Project Supported by Higher Education Institutions, Erzurum'da yetişen bazı endemik bitki türlerinin antibakteriyel ve antifungal potansiyellerinin değerlendirilmesi, 2020 - 2023

## Scientific Refereeing

INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, National Scientific Refreed Journal, January 2024

## Metrics

Publication: 35

Citation (Scopus): 44

H-Index (Scopus): 4

## **Congress and Symposium Activities**

11. ULUSLARARASI BİLİMSEL ÇALIŞMALAR KONGRESİ, Attendee, Antalya, Turkey, 2023
- 13th international congress of cosmetics chemistry, production and standardization, Attendee, Antalya, Turkey, 2023
- 4th International Eurasian Conference on Science, Engineering and Technology, Attendee, Ankara, Turkey, 2022
- 5th International Eurasian Conference on Biological and Chemical Sciences, Attendee, Ankara, Turkey, 2022
- 2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Attendee, Gaziantep, Turkey, 2020
- 8th. INTERNATIONAL CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL AND MEDICAL SCIENCES, Attendee, Erzurum, Turkey, 2020
2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Attendee, Mardin, Turkey, 2019
- 4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES, Attendee, Ağrı, Turkey, 2019
- I. International Congress on Medicinal and Aromatic Plants: "Natural and Healthy Life", Attendee, Konya, Turkey, 2017
- Antioxidant Activity And Polyphenol Content Of Leaves Of Chard (Beta Vulgaris Var. Vulgaris) Monitored By LC-MS/MS. Workshop on Determining Antioxidants as Reactive Species Scavengers., Attendee, İstanbul, Turkey, 2014