

## Assoc. Prof. Hatice Kızıltaş

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Van Yüzüncü Yil University, Fen Fakültesi, Kimya/Biyokimya, Turkey 2010 - 2015

Postgraduate, Van Yüzüncü Yil University, Fen Fakültesi, Kimya/Biyokimya, Turkey 2004 - 2007

Undergraduate, Van Yüzüncü Yil University, Eğitim Fakültesi, Kimya, Turkey 1997 - 2001

### Certificates, Courses and Trainings

Other, Kodlama yapmayan RNA'lar Analiz yöntemleri ve teröpatik uygulamaları , Atlas biyoteknoloji, 2019

Vocational Course, 14. Applied molecular biology and cell culture course, Atlas Biyoteknoloji, 2019

Vocational Training, SPSS uygulamalı istatistik eğitimi , Bitlis Eren Üniversitesi, 2018

Other, NMR yaz okulu, Van Yüzüncü Yil Üniversitesi, 2018

Vocational Course, 5. Gen klonlama yöntemleri kursu, Van Yüzüncü Yil Üniversitesi, 2016

Vocational Course, Laboratuvar hayvanları kursu, Yeditepe Üniversitesi, 2016

Vocational Course, Klinik laboratuvarında elektroforez uygulamaları kursu, 25. Ulusal Biyokimya Kongresi, 2013

Vocational Training, Uygulamalı LCMS-MS, TÜBİTAK, 2012

Vocational Course, Laboratuvarcı gözüyle PCR'ın görünmeyen yüzü, 23. ULUSAL BİYOKİMYA KONGRESİ, 2011

### Research Areas

Chemistry, Biochemistry, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Van Sağlık Hizmetleri Meslek Yüksekokulu, ECZACILIK BÖLÜMÜ, 2020 - Continues

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

- Synthesis and Inhibitor Effect Novel Alkoxyethyl Derivatives of Dihetero Cycloalkanes on Carbonic Anhydrase and Acetylcholinesterase**  
Farzaliyev V., ERTÜRK A., Abbasova M., Nabiyev O., Demir Y., Kızıltaş H., Sujayev A., GÜLÇİN İ.  
Chemistry and Biodiversity, vol.21, no.6, 2024 (SCI-Expanded)

- II. **Phenolic Contents, Enzyme Inhibitory Activities, and Protective Effect of Aqueous Extract of Rosa Pisiformis Fruits**  
Ekin S., Akkoyun M. B., Kızıldaş H., GÖK H. N., Oto G., Akkoyun T., Özgökçe F., Orhan D. D.  
Pharmaceutical Chemistry Journal, vol.57, no.11, pp.1799-1806, 2024 (SCI-Expanded)
- III. **Sage (*Salvia macrochlamys*): LC-HRMS for phytochemical analysis, cytotoxicity, enzyme inhibition, antioxidant activity, molecular docking and molecular dynamics simulations**  
Kızıldaş H., Ortaakarsu A. B., Bingöl Z., Gören A. C., Pinar S. M., GÜLÇİN İ.  
Plant Biosystems, 2024 (SCI-Expanded)
- IV. **Potential antioxidant, anticholinergic, antidiabetic and antiglaucoma activities and molecular docking of spiraeoside as a secondary metabolite of onion (*Allium cepa*)**  
DURMAZ L., Kızıldaş H., Karagecili H., Alwaseel S., GÜLÇİN İ.  
Saudi Pharmaceutical Journal, vol.31, no.10, 2023 (SCI-Expanded)
- V. **Analysis of Phenolic Compounds by LC-HRMS and Determination of Antioxidant and Enzyme Inhibitory Properties of *Verbascum speciosum* Schrad**  
Kızıldaş H., Bingöl Z., Gören A. C., Gülçin İ., Alwaseel S.  
RECORDS OF NATURAL PRODUCTS, vol.17, no.3, pp.485-500, 2023 (SCI-Expanded)
- VI. **Comprehensive Metabolite Profiling of Berdavi Propolis Using LC-MS/MS: Determination of Antioxidant, Anticholinergic, Antiglaucoma, and Antidiabetic Effects**  
Karagecili H., Yılmaz M. A., ERTÜRK A., Kızıldaş H., GÜVEN L., Alwaseel S. H., GÜLÇİN İ.  
Molecules (Basel, Switzerland), vol.28, no.4, 2023 (SCI-Expanded)
- VII. **Comprehensive metabolic profiling of *Acantholimon caryophyllaceum* using LC-HRMS and evaluation of antioxidant activities, enzyme inhibition properties and molecular docking studies**  
Kızıldaş H., Bingöl Z., Gören A. C., Pinar S. M., Ortaakarsu A. B., Alwaseel S. H., Gülçin İ.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.151, no.A, pp.743-755, 2022 (SCI-Expanded)
- VIII. **Sahlep (*Dactylorhiza osmanica*): Phytochemical Analyses by LC-HRMS, Molecular Docking, Antioxidant Activity, and Enzyme Inhibition Profiles**  
Kızıldaş H., Gören A. C., Alwaseel S. H., GÜLÇİN İ.  
MOLECULES, vol.27, no.20, 2022 (SCI-Expanded)
- IX. **Antioxidant, Antidiabetic, Anticholinergic, and Antiglaucoma Effects of Magnofluorine**  
DURMAZ L., Kızıldaş H., GÜVEN L., KARAGEÇİLİ H., Alwaseel S., GÜLÇİN İ.  
MOLECULES, vol.27, no.18, 2022 (SCI-Expanded)
- X. **Determination of LC-HRMS profiling, antioxidant activity, cytotoxic effect and enzyme inhibitory properties of *Satureja avromanica* using in vitro and in silico methods**  
Kızıldaş H.  
PROCESS BIOCHEMISTRY, vol.116, pp.157-172, 2022 (SCI-Expanded)
- XI. **Comprehensive evaluation of *Reseda lutea* L. (Wild Mignonette) and 7 isolated flavonol glycosides: determination of antioxidant activity, anti-Alzheimer, antidiabetic and cytotoxic effects with in vitro and in silico methods**  
Kızıldaş H.  
Turkish Journal of Chemistry, vol.46, no.4, pp.1185-1198, 2022 (SCI-Expanded)
- XII. **Anticholinergic, Antidiabetic and Antioxidant Activities of *Ferula orientalis* L. Determination of Its Polyphenol Contents by LC-HRMS**  
Kızıldaş H., GÖREN A. C., Bingöl Z., Alwaseel S. H., GÜLÇİN İ.  
RECORDS OF NATURAL PRODUCTS, vol.15, no.6, pp.513-528, 2021 (SCI-Expanded)
- XIII. **LC-HRMS Profiling and Antidiabetic, Anticholinergic, and Antioxidant Activities of Aerial Parts of *Kinkor* (*Ferulago stellata*)**  
Kızıldaş H., Bingöl Z., GÖREN A. C., Kose L. P., DURMAZ L., Topal F., Alwaseel S. H., GÜLÇİN İ.  
MOLECULES, vol.26, no.9, 2021 (SCI-Expanded)
- XIV. **Flavonol glycosides from *Reseda lutea* L**  
Kızıldaş H., Küçüksoğak M., Duman S., Bedir E.  
PHYTOCHEMISTRY LETTERS, vol.30, pp.150-153, 2019 (SCI-Expanded)

- XV. **Antioxidant properties of *Rosa pisiformis* and its protective effect against isoproterenol-induced oxidative stress in rats**  
Bayramoglu M., Ekin S., KIZILTAŞ H., Oto G., SUSEN E. A., Özgökçe F.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.4, pp.232-242, 2016 (SCI-Expanded)
- XVI. **Chemical Composition and Antioxidant Activity of Two Wild Edible Mushrooms from Turkey**  
Ekin S., Uzun Y., Demirel K., Bayramoglu M., KIZILTAŞ H.  
INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS, vol.17, no.12, pp.1179-1188, 2015 (SCI-Expanded)
- XVII. **Trace element status of chronic renal patients undergoing hemodialysis**  
KIZILTAŞ H., Ekin S., Erkoç R.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.124, no.2, pp.103-109, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Antioxidant Activity of Lyophilized Water Extract of Aerial Parts of *Astragalus Gummifer* (Günizer)**  
KIZILTAŞ H.  
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.1, pp.175-184, 2023 (Peer-Reviewed Journal)
- II. **LC-HRMS profiling of phytochemicals, antidiabetic, anticholinergic and antioxidant activities of evaporated ethanol extract of *Astragalus brachycalyx* Fischer**  
Kızıldaş H., Bingöl Z., Gören A., Pınar S. M., Alwasel S., Gülçin İ.  
Journal of Chemical Metrology, vol.15, no.2, pp.135-151, 2021 (ESCI)
- III. **Antidiabetic, anticholinergic and antioxidant activities of aerial parts of shaggy bindweed (*Convolvulus betonicifolia* Miller subsp.) - profiling of phenolic compounds by LC-HRMS**  
Bingöl Z., Kızıldaş H., GÖREN A. C., Kose L. P., Topal M., DURMAZ L., Alwasel S. H., GÜLÇİN İ.  
HELIYON, vol.7, no.5, 2021 (ESCI)
- IV. **Evaluation of Antioxidant Properties, Trace Element and Mineral Composition of *Dactylorhiza umbrosa* (Kar. & Kir.) Nevski (Orchidaceae)**  
Kızıldaş H., Ekin S., Yıldız D., Pınar S. M.  
İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.9, no.4, pp.2148-2156, 2019 (Peer-Reviewed Journal)
- V. **Evaluation of Antioxidant Properties, Trace Element and Mineral Composition of *Dactylorhiza umbrosa* (Kar. Kir.) Nevski (Orchidaceae)**  
KIZILTAŞ H., EKİN S., yıldız d., PINAR S. M.  
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.4, pp.2148-2156, 2019 (Peer-Reviewed Journal)
- VI. **Evaluation of Antioxidant Properties, Trace Element and Mineral Composition of *Dactylorhiza umbrosa* (Kar. & Kir.) Nevski (Orchidaceae)**  
Kızıldaş H., Ekin S., Yıldız D., Pınar S. M.  
İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.9, no.4, pp.2148-2156, 2019 (Peer-Reviewed Journal)
- VII. **Protective Effect of *Ferulago angulata* (Schlecht.) Boiss on N-nitrosodimethylamine induced oxidative stress in rats**  
Kızıldaş H., Ekin S., Bayramoglu Akkoyun M., Oto G., Akbaş E.  
Van Tıp Dergisi, vol.24, no.2, pp.117-122, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Enzyme Inhibition Property Investigation of different daisies; *Calendula officinalis*, *Matricaria chamomilla*, and *Anthemis pseudocotula* from Asteraceae family**  
Kızıldaş H., Aslan K., Karageçili H., Arslan D., Gülçin İ.  
V. International Enzyme and Bioprocess Days EBDays 2024, İzmir, Turkey, 27 - 29 August 2024, pp.59

- II. **Satureja avromanica Kk Ekstresinin Fenolik Bileşik İerikleri, AChE Aktivitesi ve Molekler Doking alıřmaları**  
Kızıldař H., Ortaakarsu A. B., Bingl Z., Gren A. C., Pınar S. M., Glin İ.  
XXII Kromatografi Kongresi, Erzurum, Turkey, 11 - 13 July 2024, pp.107
- III. **Hařař Papaver cylindricum Bitkisinin Su Ekstresinin Polifenol İerięi Ve Antioksidan Aktivitesinin Belirlenmesi**  
Kızıldař H., Bingl Z., Pınar S. M., Gren A. C., Glin İ.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.317
- IV. **Antioxidant Activity of Water Extracts of Astragalus fabaceus M. Bieb' Aerial Parts**  
Kızıldař H.  
3. Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.77
- V. **Antioxidant Activity of lyophilized water extract of Astragalus brachycalyx FISCHER' aerial parts**  
Kızıldař H.  
International Congress on Sciences and Engineering for Sustainability 2021, İstanbul, Turkey, 16 - 18 April 2021, pp.125-126
- VI. **The Determination of Some Trace Elements (As, Be, Cd, Co, Cr, Cu, Li, Mn, Pb, Se, Sr, Ti, V, Zn) and Mineral (Mg) Levels of Dactylorhiza umbrosa (Kar. & Kır.) Nevski (Orchiaceae) Plant**  
Kızıldař H., Ekin S., Yıldız D., Pınar S. M.  
International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Muęla, Turkey, 26 - 29 August 2017, pp.346
- VII. **THE EFFECT OF N- NITROSODIMETHYLAMINE TOXICITY IN RATS HEART TISSUE**  
Kızıldař H., Ekin S., Akkoyun M. B.  
IWA-PPFW 2017, İzmir, Turkey, 22 - 24 March 2017, pp.233
- VIII. **EFFECT OF ROSA PISIFORMIS (CHRIST) D. SOSN. FRUIT EXTRACT ON KIDNEY MINERAL AND TRACE ELEMENT LEVELS IN ISOPROTERENOL INDUCED OXIDATIVE STRESS IN RATS**  
Akkoyun M. B., Ekin S., Kızıldař H.  
International Engineering Science and Education Conference (INESEC), Diyarbakır, Turkey, 1 - 03 December 2016, pp.370
- IX. **"Determination of Vitamin A and E using the High Performance Liquid Chromatography in Medicinal Plants"**  
Ekin S., BAYRAMOGLU M., KIZILTAS H., Özgke F.  
International Turkic World Conference on Chemical Sciences And Technologies, ,, Sarajevo, Bosnia And Herzegovina, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.113
- X. **MALABAİLA LASİOCARPA BOİSS. BİTKİSİNİN VİTAMİN A, VİTAMİN E ve BAZI İZ ELEMENT (Cu, Zn, Se, Cr, Co) DZEYLERİ**  
Akkoyun M. B., Kızıldař H., Ekin S., Akkoyun H. T., Özgke F.  
27. Ulusal Kimya Kongresi, anakkale, Turkey, 23 - 28 August 2015, pp.264
- XI. **Diplotaenia cachrydifolia Boiss. ve Smyrnum cardifolium Boiss. Bitkilerinin A ve E Vitamini Dzeyleri**  
Kızıldař H., Bayramoglu M., Ekin S., Akkoyun H. T., Özgke F.  
27. Ulusal Kimya Kongresi, anakkale, Turkey, 23 - 28 August 2015, pp.106
- XII. **PLANTAGO MAJOR L. BİTKİSİNİN ANTİOKSİDAN KAPASİTESİ, BAZI İZ ELEMENT (Cu, Zn, Fe ve Mn) ve VİTAMİN C DZEYLERİ**  
Yięit Z., Ekin S., Akkoyun M. B., Kızıldař H., Gktařoęlu A.  
27. Ulusal Kimya Kongresi, anakkale, Turkey, 23 - 28 August 2015, pp.272
- XIII. **Protective effect of rosa pisiformis (christ) d. Sosn. fruits on serum mineral and biochemical parameters isoproterenol-induced oxidative stress in rats**  
Ekin S., Akkoyun M. B., Kızıldař H., Oto G.  
11. METABOLİK SENDROM SEMPOZYUMU, Muęla, Turkey, 4 - 07 September 2014, pp.31
- XIV. **Determination of trace element and mineral levels in edible mushrooms agaricus urinascens and**

### **volvopluteus gloiocephalus**

Ekin S., Uzun Y., Demirel K., Akkoyun M. B., Kızıldaş H.

International environmental science symposium of Van , Van, Turkey, 04 June 2014 - 07 June 2015, pp.71

XV. **ARTEMİSİA TAURİCA WİLLD, HEDYSARUM CAPPADOCİCUM BOİSS'İN VİTAMİN, MİNERAL DÜZEYLERİNİN BELİRLENMESİ**

Ekin S., Akkoyun M. B., Kızıldaş H., Akkoyun H. T.

25. ULUSAL BİYOKİMYA KONGRESİ, İzmir, Turkey, 3 - 06 September 2013, pp.38

XVI. **KAFA TRAVMASI UYGULANAN RATLARDA DEKSAMETAZONUN İZ ELEMENT VE MİNERALLER ÜZERİNE ETKİSİ**

Ekin S., Kıymaz N., Akkoyun M. B., Kızıldaş H.

25. ULUSAL BİYOKİMYA KONGRESİ, İzmir, Turkey, 3 - 06 September 2013, pp.38

XVII. **Prangos pabularia ve Torilis arvensis Bitkilerinin Vitamin, Mineral Düzeylerinin Araştırılması,**

Ekin S., BAYRAMOĞLU M., KIZILTAS H., Özgökçe F.

25. Ulusal Biyokimya Kongresi, İzmir [25th National Biochemistry Congress, İzmir, Turkey, 3 - 06 September 2013, pp.38

XVIII. **Crataegus Meyeri Pojark Bitkisinin Su ve Etanol Ekstraktlarının Antioksidan, Antiradikal Aktiviteleri, Bazı Vitamin ve İz Element Düzeylerinin Belirlenmesi**

Ekin S., Akkoyun M. B., Göktaşoğlu A., Özgökçe F., Kızıldaş H.

26. Ulusal Kimya Kongresi (Uluslararası katılımlı), Muğla, Turkey, 1 - 06 October 2012, pp.120-121

XIX. **HEMODİYALİZİN NİTRAT, NİTRİT, CA, P VE BAZI BİYOKİMYASAL PARAMETRELER ÜZERİNE ETKİSİ**

Ekin S., Kızıldaş H., Akkoyun M. B., Erkoç R.

23. ULUSAL BİYOKİMYA KONGRESİ, Adana, Turkey, 29 November - 02 December 2011, pp.36

XX. **Malabaila dasyantha (C. Koch) Grossh.'nin Methanol Ekstraktının Antioksidan Özelliği, Bazı Vitamin ve İz Element Düzeyleri**

Ekin S., BAYRAMOĞLU M., KIZILTAS H., Özgökçe F.

23. Ulusal Biyokimya Kongresi, Adana, Turkey, 29 November - 02 December 2011, pp.207

XXI. **"Mentha longifolia (L.) Hudson subsp. typhoides (Briq.) Harley'in Bazı Vitamin, İz Element Düzeyleri ve Antioksidan Özelliğinin Belirlenmesi",**

Ekin S., BAYRAMOĞLU M., KIZILTAS H., Özgökçe F.

23. Ulusal Biyokimya Kongresi, Adana, Türkiye,, Adana, Turkey, 29 November - 02 December 2011, pp.206

### **Supported Projects**

Kızıldaş H., BİNGÖL Z., Project Supported by Higher Education Institutions, Acantholimon caryophyllaceum Boiss bitkisinin antioksidan antidiyabetik ve antialzheimer potansiyelinin ölçümü ile fenolik içeriğinin LC MS MS ile analizi, 2021 - 2022

Ekin S., Kızıldaş H., Project Supported by Higher Education Institutions, Volvariella speciosa ve Agaricus macrosporus Mantarlarının Antioksidan, Antiradikal Özellikleri ve İz Element (Cu, Zn, Fe, Mn, Pb, Cd ), Mineral (Mg, Ca, K) Vitamin C düzeylerinin belirlenmesi, 2013 - 2015

Ekin S., Kızıldaş H., Project Supported by Higher Education Institutions, Ferulago Angulata (Schlecht.) Boiss Bitkisinin Antioksidan, Antiradikal Aktivitesinin ve N-Nitrozodimetilamin (NDMA) ile Oksidatif Stres Oluşturulan Ratlarda Etkisinin Belirlenmesi, 2013 - 2015

### **Activities in Scientific Journals**

FRONTIERS IN PHARMACOLOGY, Editor, 2023 - Continues

### **Scientific Refereeing**

JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, November 2022

SCIENTIFIC REPORTS, SCI Journal, October 2022

TURKISH JOURNAL OF CHEMISTRY, SCI Journal, March 2022

## **Metrics**

Publication: 46

Citation (WoS): 29

Citation (Scopus): 59

H-Index (WoS): 3

H-Index (Scopus): 3

## **Non Academic Experience**

MİLLİ EĞİTİM BAKANLIĞI