

# BURAK BARUT

## ASSOC. PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAW-5701-2020

ScopusID: 56798054200

Yoksis Researcher ID: 215118



### Learning Knowledge

Doctorate 2016 - 2020	Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Eczacılıkta Biyokimya, Turkey
Postgraduate 2014 - 2016	Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Eczacılık Biyokimya, Turkey
Postgraduate 2013 - 2016	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey
Undergraduate 2009 - 2013	Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, Good Manufacturing Practices (GMP)-Good Laboratory Practices (GLP) Requirements and Internal Audit, ETC Danışmanlık, 2019

Vocational Training, ISO 13485: 2016 Medical Devices Quality Management System Requirements and Internal Audit, ETC Danışmanlık, 2019

Vocational Training, ISO 17025:2017 General Requirements For The Competence of Testing and Calibration Laboratories, ETC Danışmanlık, 2019

Vocational Training, Öğreticilerin Eğitimi Sertifika Programı, Trabzon Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2019

Vocational Training, Kooperatifçilik Geliştirme ve Uyum Eğitimi, Milli Eğitim Bakanlığı Hayat Boyu Öğrenme Genel Müdürlüğü, 2018

Vocational Training, Kişiselleştirilmiş Kansere Tedavisinde Hücre Kültürü, Proteomik & Genomik Uygulamalar Kursu, ARGEFAR (Ege Üniversitesi İlaç Geliştirme ve Farmakokinetik Uygulama Araştırma Merkezi), 2016

Vocational Training, DNA Komet Analiz Yöntemi Kursu, Türkiye Atom Enerjisi Kurumu, 2015

Vocational Training, TÜBİTAK Bilimsel Araştırma Projesi Hazırlama Eğitimi, TÜBİTAK BKTÜ-TÜBİTAK ARDEB Temsilciliği, 2015

Vocational Training, Testing and Calibration Laboratories for Basic Training, PersonaTR, 2012

Vocational Training, İş Sağlığı ve Güvenliği Temel Eğitimi, PersonaTR, 2012

Vocational Training, İstihdamı Zorunlu Personel, Kimyagerler Derneği, 2012

Vocational Training, TS EN ISO/IEC 17025:2005 Deney ve Kalibrasyon Laboratuvarlarının Yeterliliği için Genel Şartlar, Kimyagerler Derneği, 2012

## Dissertations

Doctorate, Yeni BODİPY Bileşiklerinin Fotodinamik Terapi Amaçlı in vitro Etkinliklerinin İncelenmesi, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, 2020

Postgraduate, Benzotriazol Grubu Taşıyan Yeni Metalli ve Metalsiz Ftalosiyenlerin Sentezi, Karakterizasyonu, Fotofiziksel ve Fotokimyasal Özelliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2016

Postgraduate, Suda Çözünür Ti(IV) Ftalosiyenin Bileşiklerinin DNA Bağlanma, DNA Kesim, Antioksidan, Antimikrobiyal Aktivitelerinin ve Topoizomeras I İnhibisyonunun İncelenmesi, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Eczacılık Biyokimya, 2016

## Academic Titles / Tasks

Associate Professor  
2022 - Continues

Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık

Assistant Professor  
2021 - 2022

Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık

Research Assistant  
2014 - 2020

Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık

## Supported Projects

- BARUT B., BIYIKLIOĞLU Z., BARUT E. N., SEYHAN G., ÖZTÜRME B. A., Project Supported by Higher Education Institutions, Piridin Grubu İçeren Silisyum Ftalosiyenlerin Akciğer Kanseri Hücre Hattında in vitro FDT Özelliklerinin ve Apoptotik Yolakla İlişkisinin İncelenmesi, 2024 - Continues
- BIYIKLIOĞLU Z., BARUT B., KELEŞ T., SEYHAN G., Project Supported by Higher Education Institutions, Morfolin Grupları İçeren Yeni Suda Çözünür Ftalosiyenlerin Sentezi ve In Vitro Biyolojik Aktivitelerinin İncelenmesi, 2024 - Continues
- YAZICI BEKTAŞ N., BARUT B., ORTAHİSAR M., Project Supported by Higher Education Institutions, İki Alchemilla L (Rosaceae) Türü Üzerinde Fitokimyasal Araştırmalar, 2023 - Continues
- Renda G., Barut E. N., Barut B., Yazıcı Bektaş N., Reis R., Yeşil Cantürk Y., TUBİTAK Project, Verbascum longipedicellatum ve Verbascum kurdicum Türlerinden İnflamatuvar Solunum Yolu Hastalıkları İçin Potansiyel

Aktif Bileşiklerin İzolasyonu Ve Olası In Vitro Aktivitelerinin Değerlendirilmesi, 2023 - 2026

5. Gökkaya İ., Renda G., Barut B., Sarı S., Çiçek Polat D., Seyhan G., Gençler Özkan A. M., TUBITAK Project, *Erigeron annuus* (L.) Pers. Toprak Üstü Kısımlarının Enzim İnhibitör ve DNA Hasarına Karşı Koruyucu Etkisinin ve Etkiden Sorumlu Bileşiklerinin Belirlenmesi, 2024 - 2025
6. Barut B., Bıyıklıoğlu Z., Yalçın C. Ö., Barut E. N., Seyhan G., Akkaya D., Altun Ali Y., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Endometrial kanser tedavisi için yeni FDT ajanların geliştirilmesi ve in vitro etkinliklerinin incelenmesi, 2024 - 2025
7. Barut B., Karakurt A., Alagöz M. A., Sarı S., Sabuncuoğlu S., Ataker Y., Project Supported by Higher Education Institutions, Antimikrobiyal ve kolonesteraz inhibitör etkili yeni azol türevlerinin yapıetki ilişkileri Sentez biyolojik aktivite ve moleküler modelleme çalışmaları, 2023 - 2024
8. KALAYCIOĞLU A. T., EJDER N., ÖZGEN U., BARUT E. N., BARUT B., YILDIZ O., ÖZEL A., DOĞAN İ. S., ALIYAZICIOĞLU R., RENDA G., et al., Project Supported by Higher Education Institutions, Endemik Bitki Ekstraktlarının ve Sentezlenen Bileşiklerin Antimikrobiyal Potansiyellerinin Değerlendirilmesi, 2023 - 2024
9. RENDA G., BARUT B., GÖKKAYA İ., UZUNKAYA Ç., Project Supported by Higher Education Institutions, *Alchemilla pseudocartalinica* Juz Bitkisi Üzerinde Fitokimyasal Araştırmalar ve Biyolojik Aktivite Çalışmaları, 2023 - 2024
10. ÖZEL A., YALÇIN C. Ö., BARUT B., AKKAYA D., ALTUN Y., SARI S., USTA B., Project Supported by Higher Education Institutions, Bazı Azol Türevlerinin Biyolojik Etkinliklerinin Değerlendirilmesi ve Moleküler Modelleme Çalışması, 2022 - 2024
11. KAHRİMAN N., SERDAROĞLU V., BARUT B., AYDIN A., Project Supported by Higher Education Institutions, HALOSÜBSTİTÜE AMİNO KALKON PİRAZOLİN PİRİMİDİN TÜREVLERİNİN ve BOR KOMPLEKSLERİNİN SENTEZİ ENZİM İNHİBİSYONU ve KANSER HÜCRELERİ ÜZERİNDEKİ ETKİLERİNİN ARAŞTIRILMASI, 2022 - 2024
12. KAHRİMAN N., AYDIN A., BARUT B., SERDAROĞLU V., Project Supported by Higher Education Institutions, Ultrasonik Yöntem ile Kalkonlardan 5 ve 6 Üyeli Heterosiklik Bileşiklerin ve Bazı Bor Komplekslerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi, 2022 - 2024
13. BARUT B., ALTUN Y., BIYIKLIOĞLU Z., ÖZEL A., YALÇIN C. Ö., BARUT E. N., ENGİN S., AKKAYA D., Project Supported by Higher Education Institutions, Silisyum Ftalosiyanın Bileşiklerinin Kolorektal Kansere Hücre Hattına Karşı Fotodinamik Terapi Etkilerinin ve Wnt Yolağı ile İlişkinin Araştırılması, 2022 - 2024
14. BARUT B., YAZICI BEKTAŞ N., SEYHAN G., Project Supported by Higher Education Institutions, *Epimedium pubigerum* DC C Moren Decne Bitkisinin Biyolojik Etkinliklerinin İncelenmesi, 2022 - 2023
15. Barut B., Kulein B., TUBITAK Project, Suda Çözünür Magnezyum (II) Ftalosiyanın Bileşiklerinin DNA Etkileşimlerinin ve Fotodinamik Terapi Potansiyellerinin İncelenmesi, 2022 - 2023
16. Ceren R., Aydın E., Barut B., TUBITAK Project, *Ficus Carica* Bitkisinin Yaprak Ekstrelerinin Antioksidan, Tirosinaz İnhibisyonu Ve Dna Etkileşim Özelliklerinin İncelenmesi, 2021 - 2022
17. KANTEKİN H., ÖZEL A., YALAZAN H., DEMİRBAŞ Ü., BARUT B., Project Supported by Higher Education Institutions, KANSER VE ALZHEİMER HASTALIĞININ TEDAVİSİNE YÖNELİK TRİZOL GRUBU İÇEREN FTALOSİYANİNLERİN SENTEZİ FOTODİNAMİK TERAPİ VE BİYOLOJİK AKTİVİTE ÖZELLİKLERİNİN İNCELENMESİ, 2020 - 2022
18. Barut B., Renda G., Barut E. N., Özel A., Project Supported by Other Official Institutions, *Senecio trapezuntinus* (Trabzon kanaryaotu) ve *Tchihatchewia isatidea* (Allı gelin) bitki ekstrelerinin analizi ve farmakolojik aktiviteleri, 2019 - 2021
19. BIYIKLIOĞLU Z., BARUT B., ÖZEL A., BAŞ H., KELEŞ T., Project Supported by Higher Education Institutions, ULUSLARARASI - SUDA ÇÖZÜNEBİLEN AGREGASYON GÖSTERMEYEN AKCİĞERKARACİĞER MEME VE MELANOMA KANSER TÜRLERİNE KARŞI IN VITROANTİKANSER ETKİLİ YENİ BİR SİLİSYUM FTALOSİYANİN BİLEŞİĞİ, 2019 - 2020
20. Barut B., Özel A., Sarı S., Saraç Tarhan S., Project Supported by Higher Education Institutions, Kurum içi bir azol kütüphanesi içerisinde sanal aktivite tarama ile yeni alfa-glukozidaz inhibitör bileşiklerin keşfi, 2019 - 2020
21. DEMİRBAŞ Ü., KANTEKİN H., BARUT B., AKÇAY H. T., Project Supported by Higher Education Institutions, Suda Çözünebilen Yeni ÇinkoII ve BakırII Ftalosiyanın Sentezi Karakterizasyonu ve DNABSA Bağlanma ve DNA Fotoksesim Özelliklerinin İncelenmesi, 2019 - 2020
22. ÖZEL A., BIYIKLIOĞLU Z., DEMİRBAŞ Ü., YALÇIN C. Ö., BARUT B., ÇOBAN Ö., KELEŞ T., BAŞ H., ŞİRİN İ., Project Supported by Higher Education Institutions, Suda Çözünebilen BODIPY Bileşiklerinin Sentezi Fotokimyasal Özelliklerinin ve in vitro Hücresel Etki Mekanizmalarının İncelenmesi, 2019 - 2020

23. Çoban Ö., Özel A., Barut B., Yalçın C. Ö., Keleş T., Bıyıklıoğlu Z., Demirbaş Ü., Project Supported by Higher Education Institutions, Suda Çözünebilen BODİPY Bileşiklerinin Sentezi, Fotokimyasal Özelliklerinin ve In Vitro Hücresel Etki Mekanizmalarının İncelenmesi, 2019 - 2020
24. Barut B., Özel A., Şöhretoğlu D., Sarı S., Project Supported by Higher Education Institutions, Polidatin ve kirsospleninin DNA bağlanma modları, topoizomeraz enzim inhibitörü etkilerinin in vitro ve in silico araştırılması, 2018 - 2020
25. BIYIKLIOĞLU Z., KELEŞ T., ÖZEL A., BARUT B., Project Supported by Higher Education Institutions, SUDA ÇÖZÜNEBİLEN AGREGASYON GÖSTERMEYEN AKCİĞER KARACİĞER MEME VE MELANOMA KANSER TÜRLERİNE KARŞI IN VITRO ANTİKANSER ETKİLİ YENİ BİR SİLİSYUM FTALOSİYANİN BİLEŞİĞİ, 2018 - 2020
26. BIYIKLIOĞLU Z., BAŞ H., ÖZEL A., BARUT B., Project Supported by Higher Education Institutions, DNA İLE ETKİLEŞEBİLEN TOPOİZOMERAZ İNHİBİSYONU GÖSTEREN VE ANTİKANSER ETKİLİ SUDA ÇÖZÜNEBİLEN AGREGASYON GÖSTERMEYEN YENİ BİR SİLİSYUM FTALOSİYANİN BİLEŞİĞİ VE SENTEZ YÖNTEMİ, 2018 - 2020
27. ÖZEL A., BARUT B., BARUT E. N., SEZEN F. S., ŞİRİN İ., Project Supported by Higher Education Institutions, Trimethoxysilyl propyl octadecyl ammonium chloride (Antimic) ürününün olası antibakteriyel etki mekanizmasının araştırılması, 2018 - 2019
28. ÇOBAN Ö., BIYIKLIOĞLU Z., ÖZEL A., YALÇIN C. Ö., BARUT B., Project Supported by Higher Education Institutions, Erlotinib ve Ferrosen türevli Ftalosiyanın İçeren Sığır Serum Albumini (BSA) Kaplı Lipozom Formülasyonlarının Geliştirilmesi ve Antitümoral Aktivitesinin İncelenmesi, 2018 - 2019
29. Barut B., Özel A., Sarı S., Şöhretoğlu D., Project Supported by Higher Education Institutions, Bazı flavonoidlerin alpha-glukozidaz ve tirozinaz enzim inhibitörü etki mekanizmalarının kinetik ve bilgisayarlı modelleme yöntemleriyle in vitro ve in silico araştırılması, 2018 - 2019
30. Bıyıklıoğlu Z., Özel A., Baş H., TÜBİTAK Project, Agregasyon Göstermeyen, Suda Çözünebilen Aksiyal Disübstitüe Yeni Silisyum Ftalosiyanın ve Naftalosiyanın Sentezi, DNA Bağlanma, DNA Kesim, Topoizomeraz İnhibitör Aktivitelerinin ve Bazı İnsan Kanseri Hücrelerine Karşı Sitotoksitelerinin İncelenmesi, 2017 - 2019
31. DUMAN M., KAYA C., KERİMOĞLU G., ÖZEL A., BARUT E. N., ENGİN S., BARUT B., Project Supported by Higher Education Institutions, Pantoprazol ve Ambroksolün farelerde siklofosfamidle indüklenen hemorajik sistit üzerindeki protektif etkisinin araştırılması, 2018 - 2018
32. BIYIKLIOĞLU Z., BARUT B., Project Supported by Higher Education Institutions, Agregasyon Göstermeyen Silisyum Ftalosiyanın Sentezi ve Kolinesteraz Enzim İnhibisyonlarının İncelenmesi, 2017 - 2018
33. KANTEKİN H., DEMİRBAŞ Ü., BARUT B., ÖZEL A., Project Supported by Higher Education Institutions, Periferal Çevresinde Pentilfenoksi İçeren Metalli ve Metalsiz Ftalosiyanın Bileşiklerinin Sentezi Karakterizasyonu ve AsetilkolinesterazBütirilkolinesteraz Enzim İnhibisyonlarının İncelenmesi, 2017 - 2018
34. ÖZEL A., DEMİRBAŞ Ü., KANTEKİN H., BARUT B., Project Supported by Higher Education Institutions, Periferal ve NonPeriferal Çevrelerinde Piperidin Grupları İçeren Suda Çözünebilen Yeni ÇinkoII ve BakırII Ftalosiyanın Sentezi Karakterizasyonu ve Fotodinamik Terapide Kullanılma Potansiyellerinin İncelenmesi, 2017 - 2018
35. ÖZEL A., YAŞAR A., BARUT B., YILDIRIM S., ULAŞ N., ÇOŞKUNÇELEBİ K., Project Supported by Higher Education Institutions, Achillea millefolium Civan Perçemi Bitkisinin Uçucu Yağ Bileşenlerinin HSSPMEGCMSFID Yöntemiyle Aydınlatılması Asetilkolin esteraz Butirilkolin esteraz ve Tirozinaz İnhibisyonunun ve Antioksidan Aktivitelerinin İncelenmesi, 2016 - 2017
36. Demirbaş Ü., Değirmencioğlu İ., TÜBİTAK Project, Benzotiyazol Grupları İçeren Yeni Ftalosiyanın Sentezi, Karakterizasyonu, Fotofiziksel ve Fotokimyasal Özelliklerinin İncelenmesi, 2014 - 2015

## Awards

1. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Aralık 2023), Tübitak, December 2023
2. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Kasım 2023), Tübitak, November 2023
3. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Mart 2023), Tübitak, September 2023
4. Barut B., Teknofest2023/8. Uluslararası İstanbul Buluş Fuarı (ISIF'23) Altın Madalya Ödülü, 8. Uluslararası İstanbul Buluş Fuarı (Isif'23) , May 2023
5. Barut B., Altun Y., Akkaya D., Barut E. N., Baş H., Yalçın C. Ö., Bıyıklıoğlu Z., Uluslararası Biyokimya Kongresi 2022 //

33. Ulusal Biyokimya Kongresi En İyi Poster Ödülü, Uluslararası Biyokimya Kongresi 2022 // 33. Ulusal Biyokimya Kongresi, October 2022
6. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Eylül 2022), Tübitak, September 2022
  7. Barut B., TEB ECZACILIK AKADEMİSİ 2021 YILI TEŞVİK ÖDÜLÜ, Türk Eczacıları Birliği Eczacılık Akademisi, September 2021
  8. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Mayıs), Tübitak , May 2021
  9. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Ağustos), Tübitak, August 2020
  10. Barut B., 2019 Yılı Genç Bilim ve Sanat İnsanı Ödülü, Karadeniz Teknik Üniversitesi, August 2020
  11. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Temmuz), Tübitak, July 2020
  12. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Ocak), Tübitak, January 2020
  13. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Aralık), Tübitak, December 2019
  14. BARUT B., Prof. Dr. Nazmi ÖZER Bilim Ödülü (1.lik), Türk Biyokimya Derneği, December 2019
  15. BARUT B., BARUT B., ÖZEL A., BARUT B., BARUT E. N., BEKAR M., BEKAR M., BARUT B., BARUT E. N., TAHAOĞLU G., Yayın Teşvik Ödülü, TÜBİTAK, October 2019
  16. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Haziran), Tübitak , June 2019
  17. BARUT B., 2018 Yılı Genç Bilim ve Sanat İnsanı Ödülü, Karadeniz Teknik Üniversitesi, May 2019
  18. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Aralık), Tübitak , December 2018
  19. BARUT B., Prof.Dr. Nazmi ÖZER Bilim Ödülü (2.lik), Türk Biyokimya Derneği, October 2018
  20. BARUT B., BIYIKLIOĞLU Z., Prof. Dr. Nazmi ÖZER Bilim Ödülü (3.lük), Türk Biyokimya Derneği, October 2018
  21. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Eylül), Tübitak , September 2018
  22. DEMİR S., BARUT B., BARUT B., BARUT B., BARUT B., ÖZEL A., BARUT B., BARUT B., BARUT B., VAROL T., et al, Yayın Teşvik Ödülü, TÜBİTAK, July 2018
  23. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Temmuz), Tübitak, July 2018
  24. BARUT B., Kimyagerler Derneği 2. Araştırma Teşvik Ödülü, Kimyagerler Derneği, March 2018
  25. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Mart), Tübitak, March 2018
  26. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Ocak), Tübitak, January 2018
  27. BARUT B., ÖZEL A., BIYIKLIOĞLU Z., Prof.Dr. Nazmi ÖZER Bilim Ödülü (2.lik), Türk Biyokimya Derneği, September 2017
  28. BIYIKLIOĞLU Z., BARUT B., ÖZEL A., Uluslararası Biyokimya Kongresi En İyi Poster Bildiri Ödülü, Uluslararası Biyokimya Kongresi 2017, September 2017
  29. Barut B., TÜBİTAK YAYIN TEŞVİK ÖDÜLÜ (Mayıs), Tübitak, May 2017
  30. BARUT B., 2016 Yılı Genç Bilim ve Sanat İnsanı Ödülü, Karadeniz Teknik Üniversitesi, May 2017
  31. BARUT B., Karadeniz Teknik Üniversitesi Fen Fakültesi Birinciliği, Karadeniz Teknik Üniversitesi, June 2013
  32. BARUT B., Karadeniz Teknik Üniversitesi Kimya Bölümü Birinciliği, Karadeniz Teknik Üniversitesi, June 2013

## Scholarships

2228-B Yüksek Lisans Öğrencileri için Doktora Burs Programı, TUBİTAK, 2016 - 2020

Gönül Külahçioğlu Kanser Araştırmaları, Special Institutions and Organizations, 2017 - 2017

Gönül Külahçioğlu Kanser Araştırmaları, Special Institutions and Organizations, 2016 - 2016

## Jury Memberships

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2024

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, August, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, July, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, February, 2024

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, October, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, October, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, October, 2023

Academic Staff Examination, Academic Staff Examination, Karadeniz Teknik Üniversitesi, February, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, June, 2022

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2022

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, March, 2021

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

- Dendritic, Water-Soluble, and Nonaggregated Axially Substituted Silicon Phthalocyanine as Potential Endometrial Anticancer Agent**  
Keleş T., Seyhan G., Biyiklioğlu Z., Kolci K., Reis R., Barut B.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.38, no.12, 2024 (SCI-Expanded)
- Synthesis and cholinesterases inhibitory effects of water soluble zinc(II) and silicon(IV) phthalocyanines bearing ( $\{8-[3-(dimethylamino)phenoxy]octyl\}oxy$ ) groups**  
Usta B., SEYHAN G., AKKAYA D., BARUT B., BIYIKLIOĞLU Z., ÖZEL A.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.38, no.11, 2024 (SCI-Expanded)
- Phytochemical Analysis and Assessment of Antioxidant and Enzyme Inhibitory Activity of Alchemilla pseudocartalinica Juz.**  
Uzunkaya Ç., Gökkaya İ., Akkaya D., Soral M., Seyhan G., Barut B., Yılmaz M. A., Renda G.  
Chemistry & biodiversity, 2024 (SCI-Expanded)
- Non-aggregated and water soluble non-peripherally octa substituted Co(II) and Cu(II) phthalocyanines: Synthesis and  $\alpha$ -glucosidase inhibitory effects**  
BIYIKLIOĞLU Z., Bas H., SEYHAN G., BARUT B.  
JOURNAL OF INORGANIC BIOCHEMISTRY, vol.257, 2024 (SCI-Expanded)
- The synthesis and therapeutic effect of silicon(IV) phthalocyanines for colorectal cancer cells in photodynamic therapy by altering Wnt/13-catenin and apoptotic signaling**  
BARUT B., BARUT E. N., YALÇIN C. Ö., Ali Y. A., AKKAYA D., SEYHAN G., ENGİN S., BIYIKLIOĞLU Z.  
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50. **1-(2,4-Diklorofenil)-2-(1H-1,2,4-Triazol-1-il)Etil Alkol ve Bu Alkol Bileşiğinin Ester Türevlerinin Sentezlenmesi ve Biyolojik Aktivite Çalışmalarının Yapılması**  
DURMUŞ M., DOĞAN İ. S., BARUT B., SELLİTEPE H. E., ÖZEL A.  
24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 - 20 October 2017, pp.163
51. **Synthesis and Investigation of Antioxidant Activities and Cholinesterase Inhibition Effects of Some 4-Aryl-1,4-dihydropyridine Derivatives.**  
SELLİTEPE H. E., BARUT B., DOĞAN İ. S., ÖZEL A.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017, pp.10
52. **Water Soluble Silicon Phthalocyanines, Naphthalocyanines and Investigations of Their DNA Binding,**

### **DNA Photocleavage, Topoisomerase I Inhibition**

Sofuoğlu A., BIYIKLIOĞLU Z., BARUT B., ÖZEL A.

Ancon-International Congress on Chemistry and Materials Science, Ankara, Turkey, 5 - 07 October 2017, pp.39

### **53. Antioxidant, Anti-Inflammatory and DNA-Damage Protection Activities of Vaccinium Arctostaphylos Fruit Extracts**

BARUT E. N., ENGİN S., BARUT B., ÖZEL A., SEZEN F. S.

International Biochemistry Congress-28.Ulusal Biyokimya Kongresi, 19 - 23 September 2017

### **54. DNA/Protein Binding and DNA Photocleavage Properties of the Water Soluble BODIPY Compounds**

BARUT B., ÖZEL A., BIYIKLIOĞLU Z.

International Biochemistry Congress-28.Ulusal Biyokimya Kongresi, Erzurum, Turkey, 19 - 23 September 2017, pp.40

### **55. Synthesis of Novel Chalcone Derivatives and Investigation of Their Enzyme Inhibition/Antioxidant Activities**

KAHRİMAN N., ÜNVER Y., PEKER K., BARUT B.

3rd International Turkic World Conference on Chemical Sciences and Technologies, Baku, Azerbaijan, 10 - 13 September 2017, pp.243

### **56. GREEN SYNTHESIS OF SOME NOVEL BIOACTIVE BENZIMIDAZOLE DERIVATIVES**

GÜMÜŞ M. K., DOĞAN İ. S., BARUT B., ÖZEL A., KAHVECİ B.

3rd International Conference on New Trends in Chemistry, Helsinki, Finland, 28 - 30 April 2017, pp.124-125

### **57. Synthesis and Enzyme Inhibitory Activities of Novel Azachalcone N-Glucoside Compounds**

KAHRİMAN N., SERDAROĞLU V., KORKMAZ B., BARUT B.

4th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.92

### **58. The prevention DNA oxidative damage inhibition of acetylcholinesterase, tyrosinase, $\beta$ -glucosidase and antioxidant activities of leaf, stem bark and fruit extracts from Crataegus microphylla**

ÖZEL A., RENDA G., BARUT B., KORKMAZ B., YAYLI N.

FEBS, Aydın, Turkey, 10 September - 17 October 2016, pp.371-372

### **59. DNA binding photocleavage and topoisomerase I inhibition of novel water soluble phthalocyanine compounds**

BARUT B., ÖZEL A., BIYIKLIOĞLU Z.

41th FEBS Congress, 5 - 08 September 2016

### **60. Yeni Metalli Ftalosiyanınların Sentezi, DNA Fotokesim ve Antioksidan Aktivitelerinin İncelenmesi**

YALAZAN H., SARKI G., BARUT B., KANTEKİN H.

III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.60

### **61. Metoksi Süstitüe Kalkon N-Glikozitlerin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**

FANDAKLI S., KAHRİMAN N., SERDAROĞLU V., BARUT B.

III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.108

### **62. Yeni Kalkon/Azakalkon N-Glikozitlerin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**

PEKER K., KAHRİMAN N., SERDAROĞLU V., BARUT B.

III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.106

### **63. In vitro antioxidant and anti-acetylcholinesterase activity of Achillea millefolium**

Gazioglu E. N., Barut B., Engin S., Ozel A., Sezen S. F.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.268-269

### **64. DNA binding, photocleavage and topoisomerase I inhibition of novel water soluble phthalocyanine compounds**

Barut B., ÖZEL A., SOFUOĞLU A., BIYIKLIOĞLU Z.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.156

### **65. Rhododendron caucasicum Pallas Bitkisine Ait Metanol Ekstresinin Antioksidan Aktivitesinin ve $\beta$ -Glukozidaz Enzim İnhibisyonunun İncelenmesi**

- FANDAKLI S., YAYLI B., BARUT B., ÖZEL A., RENDA G., YAYLI N.  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı, Trabzon, Turkey, 31 August - 05 September 2016, pp.170
66. **Sambucus ebulus L.'nin Antioksidan Aktivitesinin ve Tirozinaz Enzim İnhibisyonunun İncelenmesi**  
FANDAKLI S., BARUT B., KORKMAZ B., RENDA G., ÖZEL A., YAYLI N.  
XXII. BİHAT, Trabzon, Turkey, 31 August - 01 September 2016, pp.178
67. **Senecio macrophyllus M. Bieb Bitkisinin GC-FID ve GC-MS Analizi,Uçucu Yağ, Metanol ve Sulu Ekstraktlarının Biyolojik Aktivitelerinin İncelenmesi**  
FANDAKLI S., ULAŞ N., BARUT B., YAŞAR A., KAHRİMAN N., ÖZEL A., YAYLI N.  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı, Trabzon, Turkey, 31 August - 05 September 2016, pp.183
68. **Coronilla orientalis Miller ve Coronilla varia L. Bitkilerinin Enzim İnhibisyonlarının ve DPPH Radikal Süpürücü Etkilerinin İncelenmesi**  
BARUT B., YAYLI B., RENDA G., ÖZEL A.  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı, Trabzon, Turkey, 31 August - 05 September 2016, pp.116
69. **Ambroxol improves cyclophosphamide-induced oxidative damage and contractility in mice urinary bladder**  
BARUT E. N., ENGİN S., BARUT B., ABUDAYYAK M., DUMAN M., ÖZEL A.  
7th European Congress of Pharmacology, İstanbul, Turkey, 26 - 30 June 2016, pp.349
70. **Secondary metabolites from Alchemilla barbatiflora Juz**  
RENDA G., KANDEMİR Ü., LIPTAJ T., SORAL M., KORKMAZ B., BARUT B., ÖZEL A.  
Trends in Natural Product Research: A Young Scientist Meeting of PSE and IUNG, Pulawy, Poland, 30 May - 02 June 2016, pp.84
71. **Cholinesterase and Tyrosinase Inhibitory Activities of Two Astragalus L. Species From Turkey**  
BARUT B., SEVGİ S., RENDA G., ÖZEL A., YALÇIN F. N.  
Gazi Pharma Symposium, Antalya, Turkey, 12 - 15 November 2015, pp.114
72. **Titanyum(IV) Ftalosiyanın Bileşiklerinin DNA Etkileşimleri ve Antioksidan Aktivitelerinin İncelenmesi**  
BARUT B., ÖZEL A., DEMİRBAŞ Ü., BIYIKLIOĞLU Z.  
XXVII. Ulusal Biyokimya Kongresi, Antalya, Turkey, 3 - 06 November 2015, vol.40, no.1, pp.256
73. **Analysis Of Phenolic Compounds And Antioxidant Activity Of Three Ornithogalum L. Species**  
RENDA G., ÖZEL A., KORKMAZ B., BARUT B., ÇOL AYVAZ M., AKYÜZ TURUMTAY E.  
11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
74. **Phenolic Compounds and Antioxidant Activities of Lichen Pertusaria sp**  
BARUT B., YILDIRIM S., ÖZEL A., YAŞAR A.  
ISOPS 11th International Symposium on Pharmaceutical Science, ANKARA, 9 - 13 June 2015

## Academic and Administrative Experience

2024 - Continues	<b>Member of the Rectorate Academic Performance Evaluation Commission</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2024 - Continues	<b>Assistant Manager of Research and Application Center</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2023 - Continues	<b>Faculty Management Board Member</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2023 - Continues	<b>Faculty Board Member</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık

2023 - Continues	<b>Applied Research Center Board Member</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2022 - Continues	<b>Internship Coordinator</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2022 - Continues	<b>Education and Curriculum Board Member</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2022 - Continues	<b>Measurement and Evaluation Board Chairman</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık
2022 - 2024	<b>University Academic Incentive Evaluation Commission Member</b>	Karadeniz Technical University, Eczacılık Fakültesi, Temel Eczacılık

## Courses

Fotodinamik Terapi Uygulamaları, Postgraduate, 2024 - 2025, 2022 - 2023, 2021 - 2022  
 Protein Kimyası ve Yapısal Analizi, Doctorate, 2024 - 2025, 2023 - 2024  
 Biyokimyada Araştırma Metotları-1, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
 Araştırma Projesi-II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
 Kanser Biyokimyası, Undergraduate, 2024 - 2025  
 Hücre Biyolojisi ve Genetik, Doctorate, 2024 - 2025, 2022 - 2023  
 Biyokimyada Araştırma Teknikleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
 Hücresel Yaşlanmanın Mekanizmaları, Doctorate, 2023 - 2024  
 Klinik Biyokimya, Undergraduate, 2024 - 2025, 2022 - 2023  
 Kanser Tedavi Yöntemleri, Doctorate, 2024 - 2025, 2023 - 2024, 2022 - 2023  
 Araştırma Projesi, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022  
 Minarellerin Biyokimyasal Önemi, Doctorate, 2022 - 2023  
 Biyokimya-I, Undergraduate, 2023 - 2024  
 Biyokimyada Son Gelişmeler, Doctorate, 2023 - 2024, 2022 - 2023  
 Moleküler Biyoloji, Undergraduate, 2021 - 2022, 2020 - 2021  
 Biyoenerjetik ve Metabolizma, Postgraduate, 2021 - 2022  
 Biyokimya - II Laboratuvarı, Undergraduate, 2021 - 2022  
 Metabolizmanın Biyokim.Temelleri, Doctorate, 2021 - 2022  
 Biyokimya - II, Undergraduate, 2021 - 2022  
 Biyokimya II Laboratuvarı, Undergraduate, 2020 - 2021  
 Temel Biyokimya, Postgraduate, 2021 - 2022

## Advising Theses

Barut B., Epimedium pubigerum (DC.) C. Moren & Decne Bitkisinin Biyolojik Etkinliklerinin İncelenmesi, Postgraduate, G.Seyhan(Student), 2023

## Patent

Bıyıklioğlu Z., Baş H., Barut B., Özel A., Water-Soluble, Non-Aggregated Silicon Phtalocyanine Compounds Having In Vitro Anticancer Effect Against Cancer Types of Lung, Liver, Brest And Melanoma, Patent, CHAPTER C Chemistry; Metallurgy,

The Invention Registration Number: WO2020068015 , Standard Registration, 2024

Bıyıklıođlu Z., Özel A., Barut B., Keleş T., Suda Çözünebilen Agregasyon Göstermeyen Akciđer Karaciđer Meme ve Melanoma Kanseri Türlerine Karşı In Vitro Antikanser Etkili Yeni Bir Silisyum Ftalosiyanın Bileşigi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2018/14012 , Standard Registration, 2022

Bıyıklıođlu Z., Barut B., Baş H., Özel A., DNA ile etkileşebilen, topoizomeraz inhibisyonu gösteren ve antikanser etkili suda çözünebilen, agregasyon göstermeyen yeni bir silisyum ftalosiyanın bileşigi ve sentez yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 201814010 , Standard Registration, 2021

## Activities in Scientific Journals

TÜRKİYE KLİNİKLERİ DERGİLERİ, Advisory Committee Member, 2023 - Continues

TURKISH JOURNAL OF BIOCHEMISTRY, Committee Member, 2023 - Continues

## Memberships / Tasks in Scientific Organizations

Türk Biyokimya Derneđi, Member, 2016 - Continues, Turkey

## Scientific Refereeing

PHYTOMEDICINE, Journal Indexed in SCI-E, November 2024

TURKISH JOURNAL OF BIOLOGY, Journal Indexed in SCI-E, November 2024

Project Supported by Higher Education Institutions, BAP Research Project, University Of Health Sciences, Turkey, October 2024

Project Supported by Higher Education Institutions, BAP Research Project, University Of Health Sciences, Turkey, October 2024

Project Supported by Higher Education Institutions, BAP Research Project, University Of Health Sciences, Turkey, October 2024

DRUG DEVELOPMENT RESEARCH, Journal Indexed in SCI-E, September 2024

INORGANIC CHEMISTRY COMMUNICATION, Journal Indexed in SCI-E, September 2024

BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, August 2024

R&D Project of Group B, Türkiye Sağlık Enstitüleri Başkanlığı, Turkey, August 2024

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Türkiye Sağlık Enstitüleri Başkanlığı, Turkey, August 2024

R&D Project of Group B, Türkiye Sağlık Enstitüleri Başkanlığı, Turkey, August 2024

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, July 2024

PHYTOMEDICINE, Journal Indexed in SCI-E, July 2024

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, July 2024

FOOD BIOSCIENCE, Journal Indexed in SCI-E, July 2024

Project Supported by Higher Education Institutions, BAP Research Project, Kütahya Health Sciences University, Turkey, July 2024

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JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, June 2024

APPLIED ORGANOMETALLIC CHEMISTRY, Journal Indexed in SCI-E, May 2024

BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, May 2024

CHEMISTRY AND BIODIVERSITY, Journal Indexed in SCI-E, May 2024

COMPUTERS IN BIOLOGY AND MEDICINE, Journal Indexed in SCI-E, April 2024

BMC Chemistry, Journal Indexed in SCI-E, April 2024

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, March 2024

BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, March 2024  
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, Journal Indexed in SCI-E, March 2024  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, Journal Indexed in ESCI, February 2024  
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FOOD BIOSCIENCE, Journal Indexed in SCI-E, February 2024  
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FOOD RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, December 2023  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, Journal Indexed in SCI-E, November 2023  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, November 2023  
INORGANIC CHEMISTRY COMMUNICATION, Journal Indexed in SCI-E, November 2023  
Project Supported by Higher Education Institutions, BAP Research Project, Trakya University, Turkey, November 2023  
Journal Of Faculty of Pharmacy of Ankara University, Journal Indexed in ESCI, October 2023  
Hacettepe University Journal of the Faculty of Pharmacy, Other Indexed Journal, October 2023  
Journal of Faculty of Pharmacy of Ankara University, Journal Indexed in ESCI, October 2023  
FITOTERAPIA, Journal Indexed in SCI-E, October 2023  
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Project Supported by Higher Education Institutions, BAP Research Project, Kütahya Health Sciences University, Turkey, October 2023  
FOOD CHEMISTRY, Journal Indexed in SCI-E, September 2023  
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ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, Journal Indexed in SCI-E, August 2023  
JOURNAL OF COORDINATION CHEMISTRY, Journal Indexed in SCI-E, August 2023  
FOOD RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, May 2023  
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Haydarpaşa Numune Medical Journal, National Scientific Refreed Journal, May 2023  
FOOD CHEMISTRY, Journal Indexed in SCI-E, May 2023  
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Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Türkiye Sağlık Enstitüleri Başkanlığı, Turkey, February 2023  
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Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Türkiye Sağlık Enstitüleri Başkanlığı, Turkey, July 2022  
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ARABIAN JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, December 2021  
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Project Supported by Higher Education Institutions, BAP Research Project, University Of Health Sciences, Turkey, November 2021  
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Polycyclic Aromatic Compounds, Journal Indexed in SCI-E, April 2021  
BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, March 2021  
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TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Karadeniz Technical University, Turkey, March 2021  
CHEMISTRYSELECT, Journal Indexed in SCI-E, February 2021  
Journal of Research in Pharmacy, Journal Indexed in ESCI, February 2021  
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, January 2021  
PLASMID, Journal Indexed in SCI-E, November 2020  
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BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, September 2020  
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MATERIALS & DESIGN, Journal Indexed in SCI-E, July 2020  
Journal of Research in Pharmacy, Journal Indexed in ESCI, June 2020  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, Journal Indexed in SCI-E, May 2020  
FOOD RESEARCH INTERNATIONAL, Journal Indexed in SCI-E, May 2020  
BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, May 2020  
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, Journal Indexed in SCI-E, April 2020  
Journal of Research in Pharmacy, Journal Indexed in ESCI, March 2020  
Chemical Data Collections, Other Indexed Journal, March 2020  
Journal of Research in Pharmacy, Journal Indexed in ESCI, March 2020  
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, Journal Indexed in SCI-E, February 2020  
JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, February 2020  
Iranian Journal of Chemistry and Chemical Engineering, Journal Indexed in SCI-E, January 2020  
Journal of Chinese Chemistry Society, Journal Indexed in SCI-E, December 2019



JOURNAL OF HETEROCYCLIC CHEMISTRY, Journal Indexed in SCI-E, December 2019  
Current Bioactive Compounds , Other Indexed Journal, November 2019  
JOURNAL OF HETEROCYCLIC CHEMISTRY, Journal Indexed in SCI-E, October 2019  
Current Bioactive Compounds , Other Indexed Journal, August 2019  
APPLIED ORGANOMETALLIC CHEMISTRY, Journal Indexed in SCI-E, July 2019  
FOOD AND FUNCTION, Journal Indexed in SCI-E, July 2019  
JOURNAL OF HETEROCYCLIC CHEMISTRY, Journal Indexed in SCI-E, July 2019  
JOURNAL OF HETEROCYCLIC CHEMISTRY, Journal Indexed in SCI-E, July 2019  
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, Journal Indexed in SCI-E, July 2019  
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, Journal Indexed in SCI-E, July 2019  
JOURNAL OF RESEARCH IN PHARMACY, Journal Indexed in ESCI, June 2019  
JOURNAL OF FOOD BIOCHEMISTRY, Journal Indexed in SCI-E, May 2019  
BIOORGANIC CHEMISTRY, Journal Indexed in SCI-E, April 2019  
Current Bioactive Compounds , Other Indexed Journal, March 2019  
Current Bioactive Compounds , Other Indexed Journal, November 2018  
Current Bioactive Compounds , Other Indexed Journal, November 2018  
Current Bioactive Compounds , Other Indexed Journal, November 2018  
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, Journal Indexed in SCI-E, August 2018  
Current Bioactive Compounds, Other Indexed Journal, July 2018  
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, Journal Indexed in SCI-E, March 2018  
CHEMISTRYSELECT, Journal Indexed in SCI-E, February 2018  
CHEMISTRYSELECT, Journal Indexed in SCI-E, February 2018  
CHEMISTRYSELECT, Journal Indexed in SCI-E, December 2017  
CHEMISTRYSELECT, Journal Indexed in SCI-E, September 2017  
CHEMISTRYSELECT, Journal Indexed in SCI-E, June 2017  
PHARMACEUTICAL BIOLOGY, Journal Indexed in SCI-E, May 2016

## Scientific Research / Working Group Memberships

Biopharmacy Research Group, Karadeniz Technical University, Turkey, <https://avesis.ktu.edu.tr/arastirma-grubu/bprg>,  
2024 - Continues

## Metrics

Publication: 221  
Citation (WoS): 1525  
Citation (Scopus): 1615  
H-Index (WoS): 25  
H-Index (Scopus): 25

## Congress and Symposium Activities

XXXI. Balkan Clinical Laboratory Federation Meeting BCLF 2024 / 35. National Congress of the Turkish Biochemistry Society TBS 2024, Session Moderator, Antalya, Turkey, 2024  
XXXI. Balkan Clinical Laboratory Federation Meeting BCLF 2024 / 35. National Congress of the Turkish Biochemistry Society TBS 2024, Attendee, Antalya, Turkey, 2024  
TBS International Biochemistry Congress 2021-33rd National Biochemistry Congress, Attendee, İzmir, Turkey, 2022  
4th International Eurasian Conference on Biological and Chemical Sciences, Attendee, Ankara, Turkey, 2021

4th International Eurasian Conference on Biological and Chemical Sciences , Moderator, Ankara, Turkey, 2021  
TBS International Biochemistry Congress 2021-32nd National Biochemistry Congress, Attendee, Gaziantep, Turkey, 2021  
33. Ulusal Kimya Kongresi, Attendee, Tekirdağ, Turkey, 2021  
3rd International Gazi Pharma Symposium Series (GPSS-2021), Attendee, Ankara, Turkey, 2021  
13th International Symposium on Pharmaceutical Sciences (ISOPS), Attendee, Ankara, Turkey, 2021  
31. Ulusal Biyokimya Kongresi 2020, Invited Speaker, Ankara, Turkey, 2020  
XXVII. Balkan Clinical Laboratory Federation Meeting BCLF 2019 / XXX. National Congress of the Turkish Biochemistry Society TBS 2019, Invited Speaker, Antalya, Turkey, 2019  
XXVII. Balkan Clinical Laboratory Federation Meeting BCLF 2019 / XXX. National Congress of the Turkish Biochemistry Society TBS 2019, Moderator, Antalya, Turkey, 2019  
XXVII. Balkan Clinical Laboratory Federation Meeting BCLF 2019 / XXX. National Congress of the Turkish Biochemistry Society TBS 2019, Attendee, Antalya, Turkey, 2019  
TBS International Biochemistry Congress 2018 29th National Biochemistry Congress, Attendee, Muğla, Turkey, 2018  
Prof. Dr. Alaeddin Akcasu XXVII. Farmakoloji Eğitiminde Kuşaklararası Bilimsel Etkileşme Seminerleri, Attendee, Çankırı, Turkey, 2018  
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Attendee, Erzurum, Turkey, 2017  
Uluslararası Biyokimya Kongresi 2017- 28. Ulusal Biyokimya Kongresi, Attendee, Erzurum, Turkey, 2017  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, Attendee, İstanbul, Turkey, 2017  
Prof. Dr. Alaeddin Akcasu XXVI. Farmakoloji Eğitiminde Kuşaklararası Bilimsel Etkileşim Seminerleri, Attendee, Ankara, Turkey, 2017  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı, Attendee, Trabzon, Turkey, 2016  
7th European Congress of Pharmacology, Attendee, İstanbul, Turkey, 2016  
11 th International Symposium on Pharmaceutical Sciences, Attendee, Ankara, Turkey, 2015

## Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Biochemistry, Biochemistry, Bioinorganic Chemistry, Enzyme Kinetics, Chemistry of Macromolecules, Natural Sciences

## Non Academic Experience

Türk Biyokimya Derneği