

## Prof. HACER BAYRAK

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-5843-8716

Publons / Web Of Science ResearcherID: A-7320-2015

ScopusID: 8391931700

Yoksis Researcher ID: 125700

### Education Information

Undergraduate, Istanbul University, Open And Distance Education Faculty, KAMU YÖNETİMİ, LİSANS PROGRAMI, Turkey 2023 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2021 - 2022

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya / Organik Kimya Abd , Turkey 2006 - 2010

Postgraduate, Bülent Ecevit Üniversitesi, Fen Bilimleri Enstitüsü, Kimya / Organik Kimya Abd , Turkey 2003 - 2006

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya, Turkey 1999 - 2003

### Foreign Languages

German, B2 Upper Intermediate

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Taslak Ders Kitabı İnceleme ve Değerlendirme Eğitimi, Republic of Türkiye Ministry of National Education, 2022

Quality Management, TS EN ISO/IEC 17021 - 1 Eğitimi, TURKISH ACCREDITATION AGENCY (TURKAK), 2022

Quality Management, YÖKAK Kurumsal Dış Değerlendirme, Kurumsal Akreditasyon ve Kurumsal İzleme Programları 2022 yılı Değerlendirici Başlangıç Eğitimi, The Higher Education Quality Council of Turkey (THEQC), 2022

Quality Management, Kişisel Verilerin Korunması Kanunu (KVKK) KVKK FARKINDALIK EĞİTİMİ 1. KISIM ve KVKK FARKINDALIK EĞİTİMİ 2. KISIM, TURKISH ACCREDITATION AGENCY (TURKAK), 2020

Quality Management, YT ve LAK ile ilgili Dikkat Edilecek Hususlar Eğitimi ve Sınavı , TURKISH ACCREDITATION AGENCY (TURKAK), 2020

Quality Management, P705 Uzaktan Denetim Prosedürü ve Uygulaması Eğitimi , TURKISH ACCREDITATION AGENCY (TURKAK), 2020

Quality Management, Kriz ve Zaman Yönetimi Eğitimi ve Sınavı, TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Quality Management, Etik ve Tarafsızlık, Bilgilerin Gizliliği ve Güvenliği Eğitimi ve Sınavı, TURKISH ACCREDITATION

AGENCY (TURKAK), 2019

Quality Management, Ekip, Liderlik ve Zor İnsanlarla Başa Çıkma Eğitimi ve Snavı, TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Quality Management, İletişim Becerileri – İkna Teknikleri Eğitimi ve Snavı, TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Quality Management, TS EN ISO/IEC 17025:2017 Denetçi Eğitimi, TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Quality Management, TS EN ISO/IEC 17025 Standardı Temel Bilgilendirme Eğitimi, TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Quality Management, TS EN ISO/IEC 17043 Denetçi Eğitimi ve Snavı, TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Quality Management, ISO 17034 Denetçi Eğitimi , TURKISH ACCREDITATION AGENCY (TURKAK), 2019

Occupational Health and Safety, İSG, Karadeniz Teknik Üniversitesi / İş Yeri Sağlık ve Güvenlik Birimi, 2017

Quality Management, TÜRKAK Denetçi Deneyim Paylaşım Toplantısı ve Yenilenme Eğitimi, TÜRKAK, 2017

Other, AR-GE İŞBİRLİKLERİ ZİRVESİ VE FUARI, BİLİM SANAYİ VE TEKNOLOJİ BAKANLIĞI, 2017

Quality Management, TÜRKAK- Laboratuvar Teknik Uzman Oryantasyon Eğitimi, TÜRKAK, 2016

Education Management and Planning, TURKEY in HORIZON 2020, TÜBİTAK - IDI -CFCU, 2016

Quality Management, TÜRKAK Laboratuvar Akreditasyon Başkanlığı Denetçi Deneyim Paylaşım Toplantısı ve Yenilenme Eğitimi, TÜRKAK, 2016

Education Management and Planning, TÜBİTAK-TEMEL VE UYGULAMALI BİLİMLERDE ARAŞTIRMA PROJESİ HAZIRLAMA EĞİTİMİ, KTÜ, 2014

Quality Management, Metod Validasyonu Eğitimi, TÜBİTAK-UME, 2011

Quality Management, Metod Validasyonu Eğitimi, TÜBİTAK-UME, 2011

Quality Management, Kimyasal Analizlerde Belirsizlik Hesaplanması Eğitimi, TÜBİTAK-UME, 2011

Occupational Health and Safety, Analizlerde Kullanılan Kimyasal Maddeler, T.C. Tarım ve Köyişleri Bakanlığı Trabzon İl Kontrol Lab. Müdürlüğü, 2010

Quality Management, Terazi Kalibrasyonu ve Ölçüm Belirsizliği, Uzmanlar Metroloji Servisi (UMS), 2009

Quality Management, Hacim Kalibrasyonu ve Ölçüm Belirsizliği, Uzmanlar Metroloji Servisi (UMS), 2009

Other, Gaz Kromatografisi ile Oksijenli Bileşikler ve Toplam Oksijen içerik Tayini, SEM, 2009

Other, Atomik Emisyon Spektroskopisi (ICP: OES) teorik ve pratik eğitim, BES Mühendislik, 2008

Quality Management, TSE Terazi Kalibrasyonu Eğitimi, TSE, 2008

Quality Management, TSE Hacim Kalibrasyonu Eğitimi, TSE, 2008

Other, Gaz Kromatografisi ile Biyodizelde Gliserol ve Mono, Di, Trigliserit Bileşenlerinin Belirlenmesi, SEM, 2008

Quality Management, ISO 17025:2005 Kuruluş içi Kalite Denetimi- İç Denetçi, Gelişim 2000, 2008

Quality Management, Ölçüm Belirsizliği Eğitimi, UZMAN Akreditasyon Danışmanlık, 2008

Quality Management, ISO 17025:2005 Ölçüm Belirsizliği, Gelişim 2000, 2008

Other, Gaz Kromatografisi ile Ester, LAME ve Metanol içeriğinin Belirlenmesi, SEM, 2008

Quality Management, ISO 17025:2005 Kuruluş içi Kalite Denetimi, Gelişim 2000, 2008

Quality Management, TS EN ISO 9001:2000 Kalite Yönetim Sistemi, Kimyagerler Derneği, 2008

Quality Management, TS EN ISO/IEC 17025:2005 Deney ve Kalibrasyon Laboratuvarlarının Yeterliliği İçin Genel Şartlar, Gelişim 2000, 2008

Quality Management, İyi Üretim Uygulamaları-GMP, Kimyagerler Derneği, 2008

Other, FT-IR/NIR Spektrometre Cihaz Kullanımı Eğitimi/Yöntem Oluşturma, TETRA, 2008

Other, Reformülzer M3 Çok yönlü Gaz Kromatografisi Hidrokarbon Türlerinin ve Oksijenatların Belirlenmesi, SEM, 2008

Other, Waters HPLC & Empower Yazılımı Kullanıcı Eğitimi, LiKrom Analitik Çözümler Ltd., 2008

## Dissertations

Doctorate, Synthesis of some Bi- and polyheterocyclic compounds and investigation of their antimicrobial activities, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2010

Postgraduate, Kükürt İçeren Kiral Dienofiller ve Diels-Alder Reaksiyonları, Zonguldak Bülent Ecevit University, Graduate

School Of Natural And Applied Sciences, 2006

## Research Areas

Chemistry, Organic Chemistry, Chemistry of Heterocyclic Compounds, Organic Reaction Mechanisms, Natural Sciences

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2021 - Continues

Associate Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2015 - 2021

Assistant Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2014 - 2015

Research Assistant PhD, Karadeniz Technical University, Rektörlük, 2008 - 2014

## Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2020 - 2022

Birim Kalite Komisyon Koordinatörü, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2019 - 2022

Rectorate Commissioner, Karadeniz Technical University, Rektörlük, KTU Quality Commission, 2019 - 2022

Staj Başkanı, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Maçka Meslek Yüksekokulu, 2018 - 2022

Assistant Director of Vocational School, Karadeniz Technical University, Maçka Meslek Yüksekokulu, 2017 - 2022

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Karadeniz Technical University, Maçka Meslek Yüksekokulu, KTU MACKA Vocational School Board of Directors, 2017 - 2022

## Courses

Organik Kimyada Polar Tepkimeler, Postgraduate, 2017 - 2018

Kimyada Temel Kavramlar-I, Associate Degree, 2017 - 2018

Perisiklik Reaksiyon Sınıflandırılması , Postgraduate, 2017 - 2018

Kalite Yönetim Sistemleri, Associate Degree, 2017 - 2018

Ayırma Yöntemleri, Associate Degree, 2017 - 2018

Aktif Metilen Bileşikler ve Reaksiyonları, Doctorate, 2016 - 2017

Vitamin ve Hormon Biyokimyası, Associate Degree, 2016 - 2017

Temel Laboratuvar Teknikleri ve Güvenliği, Associate Degree, 2015 - 2016

Temel Laboratuvar Teknikleri ve Güvenliği, Associate Degree, 2015 - 2016

Kalite Yönetim Sistemleri, Associate Degree, 2015 - 2016

Laboratuvar Teknikleri-I , Associate Degree, 2015 - 2016

İş Sağlığı ve İş Güvenliği, Associate Degree, 2014 - 2015

Standardizasyon ve Kalite, Associate Degree, 2014 - 2015

Ayırma Yöntemleri, Associate Degree, 2015 - 2016

Mesleki Deneyim-I, Associate Degree, 2015 - 2016

Farmasötik ve Biyomedikal Analizler, Associate Degree, 2014 - 2015

Kalite Yönetim Sistemleri, Associate Degree, 2015 - 2016

Laboratuvar Güvenliği, Associate Degree, 2014 - 2015

Bilgi ve İletişim Teknolojisi , Associate Degree, 2014 - 2015  
Laboratuvar Teknikleri-I, Associate Degree, 2014 - 2015  
Ayrırma Yöntemleri, Associate Degree, 2014 - 2015

## Advising Theses

Bayrak H., Postgraduate, E.TAFLAN(Student), 2020

## Jury Memberships

Post Graduate, Post Graduate, Gümüşhane Üniversitesi, August, 2021  
Doctoral Examination, Doctoral Examination, Sakarya Üniversitesi, October, 2018  
Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, June, 2018

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

- I. **Synthesis, antioxidant activity, docking simulation, and computational investigation of novel heterocyclic compounds and Schiff bases from picric acid**  
Bayrak H., Fahim A. M., Yaylacı Karahalil F., Azafad I., Boyracı G. M., Taflan E.  
Journal of Molecular Structure, vol.1281, 2023 (SCI-Expanded)
- II. **Synthesis of novel antipyrine-azole-S-alkyl derivatives antimicrobial activity, molecular docking, and computational studies**  
Cebeci Y. U., Bayrak H., Alpay Karaoğlu Ş., Fahim A. M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1260, 2022 (SCI-Expanded)
- III. **Synthesis of novel beta-lactams: Antioxidant activity, acetylcholinesterase inhibition and computational studies**  
Fahim A. M., Farag A. M., Mermer A., BAYRAK H., Sirin Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1233, 2021 (SCI-Expanded)
- IV. **Synthesis, DFT calculations, biological investigation, molecular docking studies of beta-lactam derivatives**  
Mermer A., Bayrak H., Alyar S., Alagumuthu M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1208, 2020 (SCI-Expanded)
- V. **Synthesis of Novel Antipyrine Derivatives Possessing Remarkable Antimicrobial Activities**  
BAYRAK H., CEBECI Y. U., KARAĞLU S. A.  
CHEMISTRYSELECT, vol.4, no.44, pp.12906-12908, 2019 (SCI-Expanded)
- VI. **Synthesis of novel Azol-beta-lactam derivatives starting from phenyl piperazine and investigation of their antiurease activity and antioxidant capacity comparing with their molecular docking studies**  
MERMER A., BAYRAK H., SIRIN Y., EMIRIK M., DEMİRBAŞ N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1189, pp.279-287, 2019 (SCI-Expanded)
- VII. **Novel imidazo[2,1-b] [1,3,4]thiadiazole (ITD) hybrid compounds: Design, synthesis, efficient antibacterial activity and antioxidant effects**  
TAFLAN E., BAYRAK H., Er M., KARAĞLU S. A., BOZDEVECİ A.  
BIOORGANIC CHEMISTRY, vol.89, 2019 (SCI-Expanded)
- VIII. **Synthesis of novel Schiff bases and azol-beta-lactam derivatives starting from morpholine and thiomorpholine and investigation of their antitubercular, antiurease activity, acethylcolinesterase inhibition effect and antioxidant capacity**  
CEBECI Y. U., BAYRAK H., ŞİRİN Y.  
BIOORGANIC CHEMISTRY, vol.88, 2019 (SCI-Expanded)

- IX. **Structure-based Hybridization, Microwave Prompted Synthesis and Biological Evaluation of Novel 4-(2-Fluoro-4-Nitrophenyl)morpholine Derivatives**  
CEBECI Y. U., DEMİRBAŞ N., OZDEMİR S. B., BAYRAK H., DEMİRBAŞ A., Aksakal F., KARA OGLU S. A.  
LETTERS IN ORGANIC CHEMISTRY, vol.15, no.11, pp.940-959, 2018 (SCI-Expanded)
- X. **Microwave-Assisted Synthesis of Some Hybrid Molecules Derived from Morpholine and Investigation of Their Antimicrobial Activities**  
CEBECI Y. U., OZDEMİR S. B., Ceylan S., BAYRAK H., DEMİRBAŞ A., ALPAY-KARA OGLU S., DEMİRBAŞ N.  
CHEMISTRYSELECT, vol.2, no.35, pp.11402-11407, 2017 (SCI-Expanded)
- XI. **Synthesis and antimicrobial activity of new piperazine-based heterocyclic compounds**  
OZDEMİR S. B., CEBECI Y. U., BAYRAK H., MERMER A., Ceylan S., DEMİRBAŞ A., KARA OGLU S. A., DEMİRBAŞ N.  
HETEROCYCLIC COMMUNICATIONS, vol.23, no.1, pp.43-54, 2017 (SCI-Expanded)
- XII. **Synthesis and Antimicrobial Activities of Hybrid Heterocyclic Molecules Based on 1-(4-Fluorophenyl)piperazine Skeleton**  
OZDEMİR S. B., DEMİRBAŞ N., CEBECI Y. U., BAYRAK H., MERMER A., Ceylan S., DEMİRBAŞ A.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, no.9, pp.1014-1034, 2017 (SCI-Expanded)
- XIII. **Determination of Au(III) and Pd(II) ions by flame atomic absorption spectrometry in some environmental samples after solid phase extraction**  
Bayrak H. E., BULUT V. N., TUFEKCI M., BAYRAK H., DURAN C., SOYLAK M.  
TOXICOLOGICAL AND ENVIRONMENTAL CHEMISTRY, vol.99, no.4, pp.590-600, 2017 (SCI-Expanded)
- XIV. **Microwave-assisted and conventional synthesis of novel antimicrobial 1,2,4-triazole derivatives containing nalidixic acid skeleton**  
Ceylan S., BAYRAK H., Ozdemir S. B., Uygun Y., Mermer A., DEMİRBAŞ N., Ülker S.  
HETEROCYCLIC COMMUNICATIONS, vol.22, no.4, pp.229-237, 2016 (SCI-Expanded)
- XV. **Comparative study for the separation, preconcentration, and determination of copper and cadmium in real samples by using two different ligands**  
Elvan Bayrak H., BULUT V. N., TÜFEKÇİ M., BAYRAK H., DURAN C., Soylak M.  
TURKISH JOURNAL OF CHEMISTRY, vol.40, pp.93-105, 2016 (SCI-Expanded)
- XVI. **Novel Microwave Assisted Synthesis and Antimicrobial Activity of New Quinolone-Hybrids**  
Ceylan S., BAYRAK H., OZDEMİR S. B., UYGUN Y., MERMER A., DEMİRBAŞ N., ULKER S.  
LETTERS IN ORGANIC CHEMISTRY, vol.13, no.9, pp.636-651, 2016 (SCI-Expanded)
- XVII. **Comparative study for the separation, preconcentration, and determination of copper and cadmium in real samples by using two different ligands**  
Bayrak H. E., BULUT V. N., Tufekci M., BAYRAK H., DURAN C., SOYLAK M.  
Turkish Journal of Chemistry, vol.40, no.1, pp.93-105, 2016 (SCI-Expanded)
- XVIII. **Synthesis, aggregation and spectroscopic studies of novel water soluble metal free, zinc, copper and magnesium phthalocyanines and investigation of their anti-bacterial properties**  
Bayrak R., Akcay H. T., Beris F. S., ŞAHİN E., BAYRAK H., DEMİRBAŞ Ü.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.133, pp.272-280, 2014 (SCI-Expanded)
- XIX. **Synthesis of some new hybride molecules containing several azole moieties and investigation of their biological activities**  
Ceylan S., BAYRAK H., DEMİRBAŞ A., Ulker S., Alpay-Karaoglu S., DEMİRBAŞ N.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.40, no.3, pp.314-329, 2014 (SCI-Expanded)
- XX. **SOLID PHASE EXTRACTION OF Cd(II) AND Pb(II) IONS BY A NEW CARBOTHIOAMIDE DERIVATIVE**  
Ozdes D., DURAN C., BAYRAK H., Serencam H., Senturk H. B.  
JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.58, no.4, pp.2204-2208, 2013 (SCI-Expanded)
- XXI. **Syntheses and Biological Activities of New Hybrid Molecules Containing Different Heterocyclic Moieties**  
Ceylan S., Bektas H., BAYRAK H., DEMİRBAŞ N., Alpay-Karaoglu S., Uelker S.  
ARCHIV DER PHARMAZIE, vol.346, no.10, pp.743-756, 2013 (SCI-Expanded)
- XXII. **Microwave assisted synthesis of some hybrid molecules derived from norfloxacin and investigation**

### **of their biological activities**

Mentese M. Y., BAYRAK H., Uygun Y., Mermer A., Ülker S., Karaoglu S. A., DEMİRBAŞ N.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.67, pp.230-242, 2013 (SCI-Expanded)

- XXIII. **Synthesis and biological activities of methylenebis-4H-1,2,4-triazole derivatives**  
Uygun Y., BAYRAK H., Ozkan H.  
TURKISH JOURNAL OF CHEMISTRY, vol.37, no.5, pp.812-823, 2013 (SCI-Expanded)
- XXIV. **Design and synthesis of some azole derivatives as potential antimicrobial agents**  
SAHIN D., BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., Alpay-Karaoglu S.  
MEDICINAL CHEMISTRY RESEARCH, vol.21, no.12, pp.4485-4498, 2012 (SCI-Expanded)
- XXV. **Preconcentration by Coprecipitation of Copper and Nickel with Mo(VI)/Triazole Derivative System and Their Determinations by Flame Atomic Absorption Spectrometry in Food and Water Samples**  
Ozdes D., DURAN C., BAYRAK H., BULUT V. N., Tufekci M.  
CLEAN-SOIL AIR WATER, vol.40, no.2, pp.211-217, 2012 (SCI-Expanded)
- XXVI. **Design and synthesis of new 1,2,4-triazole derivatives containing morpholine moiety as antimicrobial agents**  
SAHIN D., BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.3, pp.411-426, 2012 (SCI-Expanded)
- XXVII. **Cyclization of some carbothioamide derivatives containing antipyrine and triazole moieties and investigation of their antimicrobial activities**  
BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.45, no.11, pp.4726-4732, 2010 (SCI-Expanded)
- XXVIII. **Synthesis and antimicrobial activities of some new biheterocyclic compounds containing 1,2,4-triazol-3-one and 1,3,4-thiadiazole moieties**  
Bektas H., DEMİRBAŞ A., DEMİRBAŞ N., BAYRAK H., Karaoglu S. A.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.4, pp.517-527, 2010 (SCI-Expanded)
- XXIX. **Synthesis and antimicrobial activities of some new 1,2,4-triazole derivatives**  
BAYRAK H., DEMİRBAŞ A., Bektas H., Karaoglu S. A., DEMİRBAŞ N.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.6, pp.835-846, 2010 (SCI-Expanded)
- XXX. **Synthesis of some new 1,2,4-triazoles starting from isonicotinic acid hydrazide and evaluation of their antimicrobial activities**  
BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.44, no.11, pp.4362-4366, 2009 (SCI-Expanded)
- XXXI. **Synthesis of some new 1,2,4-triazoles, their Mannich and Schiff bases and evaluation of their antimicrobial activities**  
BAYRAK H., DEMİRBAŞ A., Karaoglu S. A., DEMİRBAŞ N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.44, no.3, pp.1057-1066, 2009 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Synthesis and Antimicrobial activities of some Antipyrine-Triazole-Conazoles**  
BAYRAK H.  
Hacettepe Journal of Biology and Chemistry, 2020 (Peer-Reviewed Journal)
- II. **Synthesis of Some New Kind of Antipyrine Carbo(thio)amide and 1,2,4-Triazole Derivatives and Comparing Their Anti-tubercular Activities**  
Bayrak H., Uygun Cebeci Y.  
The Black Sea Journal of Sciences (Karadeniz Fen Bilimleri Dergisi, KFBD), vol.9, no.2, pp.323-334, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Antipyrine-Spirooxindole**  
BAYRAK H.  
Latin America 4th International Conference on Scientific Researches, Mexico City, Mexico, 03 November 2022
- II. **Antimicrobial Activity and Microwave Assisted Synthesis of New Hybrid Compounds Derived From Fluoroquinolone Skeleton**  
BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., ŞEN İ., MERMER A.  
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.27
- III. **Microwave Supported Synthesis of New Quinolone-Thiazolidinone Hybrids and Their Antimicrobial Activities**  
DEMİRBAŞ A., DEMİRBAŞ N., BAYRAK H., ŞEN İ., TAFLAN E., MERMER A.  
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.30
- IV. **Synthesis and Antimicrobial Activities of New Hybrid Drug Candidates Consisting of Quinolone and Thiazolidinone Units by Microwave Irradiated Method**  
DEMİRBAŞ N., DEMİRBAŞ A., BAYRAK H., AYVAZ A., ÖZDEMİR BAŞOĞLU S.  
7th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.29
- V. **Synthesis and Antimicrobial Activities of new Mannich Bases Containing Imidazo[2,1-β][1,3,4]Thiadiazole (ITD) structure by Microwave and Conventional Method**  
TAFLAN E., BAYRAK H., Alpay Karaoğlu Ş., Bozdeveci A.  
1st Eurasia Environmental Chemistry Congress, Antalya, Turkey, 1 - 04 November 2018, pp.62
- VI. **Antioxidant Activity and Synthesis Route of some New Heterocyclic Compounds Containing different Pharmacophores**  
TAFLAN E., BAYRAK H., ER M.  
1st Eurasia Environmental Chemistry Congress, Antalya, Turkey, 1 - 04 November 2018, pp.63
- VII. **Conventional and Microwave Irradiated Synthesis of Highly Substituted Piperazine-Azole Hybrids**  
ÖZDEMİR BAŞOĞLU S., DEMİRBAŞ N., DEMİRBAŞ A., BAYRAK H.  
2nd International Conference Expo on Green Chemistry and Engineering (ICEGCE 2018), Barselona, Spain, 23 - 24 July 2018, pp.3
- VIII. **Synthesis of New Mannich Bases Containing Imidazo[2,1-β][1,3,4]Thiadiazole (ITD) Fused Rings With Fluoroquinolone Drugs**  
TAFLAN E., BAYRAK H., OZDEMIR S. B., DEMİRBAŞ N.  
2nd International Conference & Expo on Green Chemistry and Engineering (ICEGCE 2018), Barselona, Spain, 23 - 24 July 2018, pp.2
- IX. **Synthesis of some Conazole Analogues and Mannich Bases starting from 4-amino-3-methyl-1H-1,2,4-triazol-5(4H)-one with Microwave Reaction Methods**  
CEBECİ Y. U., BAYRAK H., CEYLAN S., OZDEMIR S. B., DEMİRBAŞ N., DEMİRBAŞ A.  
2nd International Conference & Expo on Green Chemistry and Engineering (ICEGCE 2018), Barselona, Spain, 23 - 24 July 2018, pp.1
- X. **Microwave Irradiated Synthesis and Biological Activity Screening Studies of Novel Mannich Bases Containing Fluorophenyl Piperazine Rings**  
OZDEMIR S. B., DEMİRBAŞ A., BAYRAK H., DEMİRBAŞ N.  
2nd International Conference & Expo on Green Chemistry and Engineering (ICEGCE 2018), Barselona, Spain, 23 - 24 July 2018, pp.5
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3rd International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017
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16th Tetrahedron Symposium, 15 - 19 June 2015

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16th Tetrahedron Symposium, Berlin, Germany, 16 - 19 June 2015

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16th Tetrahedron Symposium, Berlin, Germany, 16 - 19 June 2015

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16th Tetrahedron Symposium, Berlin, Germany, 16 - 19 June 2015
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7. Ulusal Analitik Kimya Kongresi, Kahramanmaraş, Turkey, 1 - 05 September 2014, pp.301
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7. Ulusal Analitik Kimya Kongresi, Kahramanmaraş, Turkey, 1 - 05 September 2014, pp.197
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III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014, pp.119
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Elvan Bayrak H., Bulut V. N., TÜFEKÇİ M., BAYRAK H., DURAN C., Soylak M.  
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2. İlaç Kimyası Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 - 23 March 2014, pp.231
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2. İlaç Kimyası Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 - 23 March 2014, pp.203
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2. İlaç Kimyası Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 - 23 March 2014, pp.207
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Kromatografi 2011, Diyarbakır, Turkey, 7 - 10 September 2011, pp.148
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XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
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BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A., ALPAY\_KARAOĞLU Ş.  
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XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
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DURAN C., Özdeş D., BAYRAK H., BULUT V. N., ŞENTÜRK H. B.  
5. Ulusal Analitik Kimya Kongresi, Erzurum, Turkey, 21 - 25 June 2010, pp.241
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Özdeş D., DURAN C., BAYRAK H., BULUT V. N., TÜFEKÇİ M.  
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23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
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23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
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23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
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BAYRAK H.  
23. Ulusal Kimya Kongresi, Sivas, Turkey, 16 - 20 June 2009
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BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A., Karaoglu S. A.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Turkey, 6 - 10 October 2008
- LXXXI. **Bazı Biheterosiklik Bileşiklerin Sentezi, Shiff ve Mannich Bazlarına Dönüştürülmesi**

- DEMİRBAŞ N., DEMİRBAŞ A., Ceylan S., Şahin D., BAYRAK H., Karaoglu S. A.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Turkey, 6 - 10 October 2008
- LXXXII. **İzonikotinic asit Hidraziti üzerine bir çalışma.**  
BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A., Ceylan S., Şahin D., Karaoglu S. A.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Turkey, 6 - 10 October 2008
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DEMİRBAŞ N., DEMİRBAŞ A., Şahin D., BAYRAK H., Karaoglu S. A.  
EHRlich II-2nd World Conference on Magic Bullets Celebrating the 100th Anniversary of the Nobel Prize Award to Paul Ehrlich, Nürnberg, Germany, 3 - 05 October 2008, pp.11-12
- LXXXIV. **Synthesis of some new Schiff base derivatives of acetic acid hydrazides containing 1,2,4-triazole-5-one ring**  
DEMİRBAŞ N., DEMİRBAŞ A., Şahin D., Ceylan S., BAYRAK H.  
International Conference on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.44
- LXXXV. **Synthesis of some new 1,2,4-triazol-5-ones containing piperazine and morpholine rings**  
DEMİRBAŞ A., DEMİRBAŞ N., Şahin D., Ceylan S., BAYRAK H.  
International Conference on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.45
- LXXXVI. **Synthesis of some biheterocyclic compounds containing 1,2,4-triazole ring as possible antimicrobial compounds.**  
DEMİRBAŞ A., DEMİRBAŞ N., Ceylan S., Şahin D., BAYRAK H.  
International Conference on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.42
- LXXXVII. **Synthesis of some new 1,3-thiazolidinones and 1,3-oxazolidinones containing 1,2,4-triazole ring as possible antimicrobial compounds**  
DEMİRBAŞ N., DEMİRBAŞ A., Ceylan S., Şahin D., BAYRAK H.  
International Conference on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.43

## Supported Projects

- BAYRAK H., YAYLACI KARAHALİL F., TURKUT G. M., Project Supported by Higher Education Institutions, Potansiyel Antimikrobiyal ve Antioksidan Maddeleri Olarak Yeni Spirooksindol Yapılarının Sentezi ve Biyolojik Olarak Değerlendirilmesi, 2020 - 2023
- BAYRAK H., YAYLACI KARAHALİL F., Project Supported by Higher Education Institutions, Tri-Nitro Aromatik Grup İçeren Azol Bileşiklerin ve Schiff Bazlarının Sentezi ile Antioksidan Kapasitelerinin İncelenmesi, 2020 - 2021
- BULUT V. N., BAYRAK H., TOSUN O., ER M., TURKUT G. M., YILDIRIM AKATIN M., DİLBER G., Project Supported by Higher Education Institutions, Glutarimid Türevi Azol Bileşiklerin Schiff ve Mannich Bazlarının Sentezi ile Antimikrobiyal Aktivitelerinin ve Antioksidan Kapasitelerinin İncelenmesi, 2019 - 2020
- DEMİRBAŞ N., BAYRAK H., KILIÇ A. O., BAŞOĞLU ÖZDEMİR S., Project Supported by Higher Education Institutions, Potansiyel Antimikrobiyal Bileşikler Olarak Florokinolon Antibiyotiklerinin Yeni Analoglarının Sentezi, 2017 - 2018
- DEMİRBAŞ N., UYGUN Y., BAYRAK H., Project Supported by Higher Education Institutions, Çeşitli Heterosiklik Halkalar İçeren Hibrit Bileşiklerin Sentezi, Biyolojik Aktivitelerinin Araştırılması, 2016 - 2018
- BAYRAK H., Project Supported by Higher Education Institutions, Antipirin Köklü Farklı Farmakofor Gruplara Sahip Yeni Bileşiklerin Sentezi ve Antimikrobiyal Aktivitelerinin İncelenmesi, 2015 - 2018
- Bayrak H., Demirbaş N., TUBITAK Project, Synthesis of Hybrid Molecules Containing Piperazine, Thio / Morpholine, Azole and  $\beta$ -Lactam Ring and Investigation of their Biological Activities , 2015 - 2018
- Bayrak H., Demirbaş N., TUBITAK Project, Synthesis of Hybrid Molecules Containing Piperazine, Thio / Morpholine, Azole and  $\beta$ -Lactam Ring and Investigation of their Biological Activities , 2015 - 2017
- DEMİRBAŞ A., BAYRAK H., TUBITAK Project, Konazol ve Ciprofloksazin Esaslı Hibrit Moleküllerin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi, 2013 - 2015
- DEMİRBAŞ A., DEMİRBAŞ N., TUBITAK Project, Bazı Bi- ve Poliheterosiklik Bileşiklerin Sentezi, Antimikrobiyal ve Antitümöral Özelliklerinin İncelenmesi, 2007 - 2010

## Activities in Scientific Journals

International Journal of Medicinal Chemistry, Special Issue Editor, 2016 - Continues

## Scientific Refereeing

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, August 2023

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, June 2023

JOURNAL OF TAIBAH UNIVERSITY MEDICAL SCIENCES, Journal Indexed in ESCI, February 2023

GREEN CHEMISTRY LETTERS AND REVIEWS, SCI Journal, November 2022

CURRENT MICROWAVE CHEMISTRY, Journal Indexed in ESCI, November 2022

CURRENT MICROWAVE CHEMISTRY, Journal Indexed in SCI-E, October 2022

KOSGEB, Kimya Gıda Otomotiv İnşaat Turizm İthalat İhracat Sanayi ve Ticaret Limited Şirketi, Turkey, October 2022

Project Supported by Higher Education Institutions, BAP Research Project, Tekirdağ Namik Kemal University, Turkey, October 2022

MEDICINAL CHEMISTRY RESEARCH, Journal Indexed in SCI-E, April 2022

KOSGEB, Kimya Gıda Otomotiv İnşaat Turizm İthalat İhracat Sanayi ve Ticaret Limited Şirketi, Turkey, April 2022

JOURNAL OF HETEROCYCLIC CHEMISTRY, Journal Indexed in SCI-E, February 2022

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, December 2021

Turkish Analytical Chemistry, Other journals, December 2021

JOURNAL OF HETEROCYCLIC CHEMISTRY, Journal Indexed in SCI-E, October 2021

ARABIAN JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, September 2021

Turkish Analytical Chemistry, Other journals, August 2021

ARABIAN JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, March 2021

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, January 2021

MEDICINAL CHEMISTRY, Journal Indexed in SCI-E, December 2020

GREEN CHEMISTRY LETTERS AND REVIEWS, Journal Indexed in SCI-E, October 2020

ARCHIV DER PHARMAZIE, SCI Journal, August 2020

MEDICINAL CHEMISTRY RESEARCH, Journal Indexed in SCI-E, June 2020

LETTERS IN ORGANIC CHEMISTRY, Journal Indexed in SCI-E, June 2020

ARABIAN JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, April 2020

MEDICINAL CHEMISTRY RESEARCH, Journal Indexed in SCI-E, April 2020

Project Supported by Higher Education Institutions, BAP Other, Erciyes University, Turkey, November 2019

Project Supported by Higher Education Institutions, BAP Research Project, Tekirdağ Namik Kemal University, Turkey, March 2019

Project Supported by Higher Education Institutions, BAP Other, Karadeniz Technical University, Turkey, May 2018

Project Supported by Higher Education Institutions, BAP PhD, Tekirdağ Namik Kemal University, Turkey, October 2017  
FP7 Project, FP7 Project, ERA.Net RUS Plus, Russia, August 2017

Project Supported by Higher Education Institutions, BAP PhD, Tekirdağ Namik Kemal University, Turkey, June 2017

Medicinal Chemistry Research, SCI Journal, June 2016

Arabian Journal of Chemistry, SCI Journal, January 2016

Journal Of Taibah University Medical Sciences, SCI Journal, April 2014

Medicinal Chemistry Research (MCRE), SCI Journal, April 2012

## Scientific Consultations

TÜBİTAK-KBAG (KİMYA BİYOLOJİ ARAŞTIRMA DESTEK GRUBU), Project Consultancy, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, Turkey, 2014 - 2015

## Tasks In Event Organizations

Bayrak H., 2. International Environmental Chemistry Congress, Scientific Congress, Antalya, Turkey, Kasım 2019

Bayrak H., 1st International Conference on Innovations in Natural Science and Engineering (ICINSE 2018), Scientific Congress, Gazimagusa, Cyprus (Kkct), Ocak 2018

Bayrak H., III. National Organic Chemistry Congress , Scientific Congress, Trabzon, Turkey, Eylül 2016

## Metrics

Publication: 120

Citation (WoS): 1022

Citation (Scopus): 1092

H-Index (WoS): 16

H-Index (Scopus): 16

## Congress and Symposium Activities

Latin Amerika 4th International Conference On Scientific Researches, Attendee, Mexico City, Mexico, 2022

Latin America 4th International Conference on Scientific Researches, Moderator, Mexico City, Mexico, 2022

14 EKİM DÜNYA STANDARTLAR GÜNÜ ULUSLARARASI STANDARDİZASYON ZİRVESİ, Attendee, İstanbul, Turkey, 2022

1st Eurasia Environmental Chemistry Congress, Attendee, Antalya, Turkey, 2018

2nd International Conference & Expo on Green Chemistry and Engineering (ICEGCE 2018), Attendee, Barcelona, Spain, 2018

International Conference on Innovations in Natural Science and Engineering (ICINSE 2018), Invited Speaker, Gazimagusa, Cyprus (Kkct), 2018

1st International Conference on Innovations in Natural Science and Engineering, Attendee, Gazimagusa, Cyprus (Kkct), 2018

TÜRKAK Laboratuvar Akreditasyonu Denetçi Deneyim Paylaşım Toplantısı ve Yenilenme Eğitimi, Attendee, Ankara, Turkey, 2017

3rd International Turkic World Conference on Chemical Sciences & Technologies / ITWCCST - 2017, Attendee, Baku, Azerbaijan, 2017

AR-GE İŞBİRLİKLERİ ZİRVESİ VE FUARI, Attendee, İstanbul, Turkey, 2017

TURKEY in HORIZON 2020, Attendee, Trabzon, Turkey, 2016

4. BAU DRUG DESIGN Congress, Attendee, İstanbul, Turkey, 2016

TÜRKAK Laboratuvar Akreditasyonu Denetçi Deneyim Paylaşım Toplantısı ve Yenilenme Eğitimi, Attendee, İstanbul, Turkey, 2016

3.Ulusal Laboratuvar Akreditasyonu ve Güvenliği Sempozyumu, Attendee, İstanbul, Turkey, 2016

International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Attendee, Sarajevo, Bosnia And Herzegovina, 2015

16th Tetrahedron Symposium, Attendee, Berlin, Germany, 2015

ERASMUS- STAFF MOBILITY PROGRAM (Personel Ders Verme Programı), Attendee, Italy, 2015

2. İlaç Kimyası Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2014

I. Ulusal Organik Kimya Kongresi, Attendee, Sakarya, Turkey, 2013

XXIV. Ulusal Kimya Kongresi, Attendee, Zonguldak, Turkey, 2010

XXII. Ulusal Kimya Kongresi, Attendee, Mağosa, Cyprus (Kkct), 2008

## Awards

## **Non Academic Experience**

Other Public Institution, Turkish Higher Education Quality Council, Turkish Higher Education Quality Council

Other Public Institution, Turkish Standards Institution (TSE), Mirror Technical Committee (MTC) / Risk Management

TÜRK STANDARDLARI ENSTİTÜSÜ (TSE)

Other Public Institution, Turkish Standards Institution (TSE), Mirror Committee, Mirror Technical Committee (MTC)

Other Public Institution

Other Public Institution

TÜRK STANDARDLARI ENSTİTÜSÜ (TSE)

TÜRK STANDARDLARI ENSTİTÜSÜ (TSE)

Other Public Institution, TURKISH ACCREDITATION AGENCY (TURKAK), TURKISH ACCREDITATION AGENCY (TURKAK)

KTÜ-Yakıt Uygulama ve Araştırma Merkezi