

# Prof. NESLİHAN DEMİRBAŞ

## Personal Information

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## Education

Doctorate, Karadeniz Technical University, -, Kimya, Turkey 1988 - 1995

Postgraduate, Karadeniz Technical University, -, Kimya, Turkey 1984 - 1987

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya, Turkey 1981 - 1984

## Foreign Languages

English, B2 Upper Intermediate

German, A1 Beginner

## Dissertations

Doctorate, Bazı 4H-1,2,4-triazol ve 4,5-dihidro-1H-1,2,4-triazol-5-on türevlerinin sentezi ve özelliklerinin incelenmesi sentezi ve , Karadeniz Technical University, Kimya, Organik Kimya, 1995

Postgraduate, bazı 3-alkil-4-sikloalkil-1,2,4-triazol-5-on'ların elde edilmesi, Karadeniz Technical University, Kimya, Organik Kimya, 1987

## Research Areas

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

## Academic Positions

Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2011 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 1998 - 2011

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Kimya, 1984 - 1998

## Courses

### Doctorate

Nükleofilik saldırı ile halkalanma reaksiyonları, Doctorate, 2015 - 2016, 2014 - 2015

Doktora tezi, Doctorate, 2015 - 2016, 2014 - 2015

Delokalizasyon konjugasyon ve konjuge katılmalar, Doctorate, 2014 - 2015, 2013 - 2014

## Postgraduate

Fotokimya, Postgraduate, 2014 - 2015

Biyoaktif kaynaşmış heterosiklikler, Postgraduate, 2013 - 2014

Hidrazitlerle yapılan Heterosiklik Sent. , Postgraduate, 2013 - 2014

Antitümör heterosiklikler, Postgraduate, 2013 - 2014

## Undergraduate

Organic Chem III, Undergraduate, 2015 - 2016, 2013 - 2014

Biyoaktif Organik Bileşikler, Undergraduate, 2014 - 2015

Org Kimya Lab. I, Undergraduate, 2013 - 2014

Biyoaktif Org. Bileşikler , Undergraduate, 2012 - 2013

## Supervised Theses

DEMİRBAŞ N., Bazı norfloksazin türevlerinin sentezi ve biyolojik aktivitelerinin araştırılması, Doctorate, M.Menteşe(Student), Continues

DEMİRBAŞ N., konazol türevlerinin sentezi ve biyolojik aktivitelerinin incelenmesi, Doctorate, Y.Uygun(Student), Continues

DEMİRBAŞ N., sefalosporanik türevlerinin sentezi ve biyolojik aktivitelerinin araştırılması, Doctorate, S.Başıoğlu(Student), 2015

DEMİRBAŞ N., 6-amino penisillanik asitten türeyen bazı hibrit bileşiklerin sentezi ve biyolojik aktivitelerinin incelenmesi, Karadeniz Teknik Üniversitesi, Doctorate, S.Demirci(Student), 2014

DEMİRBAŞ N., Metoksifenil piperazin halkası içeren bazı norfloksazin türevlerinin sentezi ve antimikrobiyal aktivitelerinin incelenmesi, Postgraduate, A.Mermer(Student), 2014

DEMİRBAŞ N., Bazı heterosiklik bileşiklerin sentezi ve elde edilen bileşiklerin kağıt endüstrisinde mikrobiyosit olarak kullanılabilirliğinin araştırılması, Doctorate, Ş.Ceylan(Student), 2012

DEMİRBAŞ N., Bazı metilenbis-4H-1,2,4-triazol-3-tiol bileşiklerinin sentezi, reaksiyonlarının ve antimikrobiyal aktivitelerinin incelenmesi, Postgraduate, Y.Uygun(Student), 2012

DEMİRBAŞ N., Linezolid benzeri bileşiklerin sentezi ve antimikrobiyal aktivitelerinin incelenmesi, Postgraduate, B.Serap(Student), 2011

DEMİRBAŞ N., Eperezolid benzeri bazı bileşiklerin sentezi ve antimikrobiyal aktivitelerinin incelenmesi, Postgraduate, Y.Meltem(Student), 2011

DEMİRBAŞ N., Kinolin halkası içeren bazı heterosiklik bileşiklerin sentezi ve antimikrobiyal özelliklerinin incelenmesi, Postgraduate, M.Özyanık(Student), 2010

DEMİRBAŞ N., Bazı Bi-ve poliheterosiklik bileşiklerin sentezi ve antimikrobiyal aktivitelerinin incelenmesi, Doctorate, H.Bayrak(Student), 2010

DEMİRBAŞ N., Bazı 1,2,4 triazol türevlerinin sentezi ve yapılarının aydınlatılması, Postgraduate, S.Hamza(Student), 2009

DEMİRBAŞ N., 4,5-disubstitue-2,4-dihidro-3h-1,2,4-triazol-3-on'ların sentez ve özelliklerinin incelenmesi, Postgraduate, N.Ünal(Student), 2009

DEMİRBAŞ N., 1,2,4-triazol içeren bazı karbotiyoamid türevlerinin sentezi ve reaksiyonlarının incelenmesi, Postgraduate, Ş.Ceylan(Student), 2006

DEMİRBAŞ N., Bazı 3-alkil (aril)-4-alkiliden (ariliden) amino-ve 3-alkil (aril)-4 alkil (aril) amino-4,5-dihidro-1H-1,2,4-triazol-5-on bileşiklerinin sentezi ve özelliklerinin incelenmesi, Doctorate, R.Uğurluoğlu(Student), 2001

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Doçentlik kadro ataması, Karadeniz Teknik Üniversitesi Doçentlik kadro ataması , December, 2015

Associate Professor Exam, Doçentlik sınav jürisi, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, Kasım 2015, November, 2015

Associate Professor Exam, Doçentlik sınav jürisi, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, Ekim 2015, October, 2015

Associate Professor Exam, Doçentlik sınav jürisi, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, Ekim 2015, October, 2015

Associate Professor Exam, Doçentlik sınav jürisi, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, Ekim 2015., October, 2015

Academic Staff Examination, profesörlük atama jüri üyeliği, profesörlük atama jüri üyeliği, May, 2015

Appointment to Academic Staff-Assistant Professorship, Doçentlik atama jüri üyeliği, Doçentlik atama jüri üyeliği, May, 2015

Post Graduate, yüksek lisans tez sınavı, yüksek lisans tez sınavı, June, 2014

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, May, 2014

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, May, 2014

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, January, 2014

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, January, 2013

Doctorate, doktora tez savunma sınavı , doktora tez savunma sınavı , June, 2012

Doctorate, doktora tez savunma sınavı , doktora tez savunma sınavı , June, 2012

Doctorate, doktora tez savunma sınavı , doktora tez savunma sınavı , June, 2012

Post Graduate, yüksek lisans tez sınavı, yüksek lisans tez sınavı, May, 2012

Doctorate, Doktora tez savunma, Doktora tez savunma, April, 2012

Appointment to Academic Staff-Assistant Professorship, Doçentlik atama jüri üyeliği, Doçentlik atama jüri üyeliği, March, 2012

Post Graduate, yüksek lisans tez savunma, yüksek lisans tez savunma, August, 2010

Doctorate, doktora tez savunma sınavı , doktora tez savunma sınavı , April, 2010

Post Graduate, yüksek lisans tez sınavı, yüksek lisans tez sınavı, September, 2009

Post Graduate, yüksek lisans tez savunma, yüksek lisans tez savunma, June, 2008

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **One-pot Multicomponent Reactions in Deep Eutectic Solvents**  
Ayvaz A., Demirbaş S. G., DEMİRBAŞ A., DEMİRBAŞ N.  
Current Organic Chemistry, vol.27, no.7, pp.585-620, 2023 (SCI-Expanded)
- II. **The separation-preconcentration and determination of ultra-trace gold in water and solid samples by dispersive liquid-liquid microextraction using 4-ethyl-1(2-(4-(4-nitrophenyl)piperazin-1-yl)acetyl)thiosemicarbazide) as chelating agent and flame atomic absorption spectrometry**  
Bahadır Z., BULUT V. N., MERMER A., DEMİRBAŞ N., DURAN C., SOYLAK M.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.15, no.6, pp.1347-1354, 2018 (SCI-Expanded)
- III. **Design, Microwave-Assisted and Conventional Synthesis of New Hybrid Compounds Derived From 1-(4-Fluorophenyl)piperazine and Screening for Their Biological Activities**  
OZDEMİR S. B., DEMİRBAŞ N., DEMİRBAŞ A., ÇOLAK N., AYAZ F. A.  
CHEMISTRYSELECT, vol.3, no.7, pp.2144-2151, 2018 (SCI-Expanded)
- IV. **Structure-based Hybridization, Microwave Prompted Synthesis and Biological Evaluation of Novel 4-(2-Fluoro-4-Nitrophenyl)morpholine Derivatives**  
CEBECİ Y. U., DEMİRBAŞ N., OZDEMİR S. B., BAYRAK H., DEMİRBAŞ A., Aksakal F., KARAOĞLU S. A.  
LETTERS IN ORGANIC CHEMISTRY, vol.15, no.11, pp.940-959, 2018 (SCI-Expanded)
- V. **Novel Azole-Functionalited Flouroquinolone Hybrids: Design, Conventional and Microwave Irradiated Synthesis, Evaluation as Antibacterial and Antioxidant Agents**

MENTEŞE M., DEMİRBAŞ N., MERMER A., Demirci S., DEMİRBAŞ A., AYAZ F. A.

LETTERS IN DRUG DESIGN & DISCOVERY, vol.15, no.1, pp.46-64, 2018 (SCI-Expanded)

- VI. **Microwave-Assisted Synthesis of Some Hybrid Molecules Derived from Morpholine and Investigation of Their Antimicrobial Activities**  
CEBECI Y. U., OZDEMIR S. B., Ceylan S., BAYRAK H., DEMİRBAŞ A., ALPAY-KARAOĞLU S., DEMİRBAŞ N.  
CHEMISTRYSELECT, vol.2, no.35, pp.11402-11407, 2017 (SCI-Expanded)
- VII. **Synthesis of Some New Ciprofloxacin Hybrids as Potential Antimicrobial Agents**  
Mentese M., Beris F. S., DEMİRBAŞ N.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.54, no.6, pp.2996-3007, 2017 (SCI-Expanded)
- VIII. **Conventional and Microwave-assisted Total Synthesis, Antioxidant Capacity, Biological Activity, and Molecular Docking Studies of New Hybrid Compounds**  
Demirci S., MERMER A., AK G., Aksakal F., ÇOLAK N., DEMİRBAŞ A., AYAZ F. A., DEMİRBAŞ N.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.54, no.3, pp.1785-1805, 2017 (SCI-Expanded)
- IX. **Conventional and microwave irradiated synthesis, biological activity evaluation and molecular docking studies of highly substituted piperazine-azole hybrids**  
MERMER A., Demirci S., OZDEMIR S. B., DEMİRBAŞ A., ULKER S., AYAZ F. A., Aksakal F., DEMİRBAŞ N.  
CHINESE CHEMICAL LETTERS, vol.28, no.5, pp.995-1005, 2017 (SCI-Expanded)
- X. **NEW PYRIDINE DERIVATIVES AS ANTIUREASE INHIBITORS: SYNTHESIS AND THEIR EVALUATION FOR ANTIMICROBIAL ACTIVITIES**  
Bektas H., Albay C., MENTEŞE E., DEMİRBAŞ N.  
REVUE ROUMAINE DE CHIMIE, vol.62, no.3, pp.199-205, 2017 (SCI-Expanded)
- XI. **Synthesis and antimicrobial activity of new piperazine-based heterocyclic compounds**  
OZDEMIR S. B., CEBECI Y. U., BAYRAK H., MERMER A., Ceylan S., DEMİRBAŞ A., KARAOĞLU S. A., DEMİRBAŞ N.  
HETEROCYCLIC COMMUNICATIONS, vol.23, no.1, pp.43-54, 2017 (SCI-Expanded)
- XII. **Novel Microwave Assisted Synthesis and Antimicrobial Activity of New Quinolone-Hybrids**  
Ceylan S., BAYRAK H., OZDEMIR S. B., UYGUN Y., MERMER A., DEMİRBAŞ N., ULKER S.  
LETTERS IN ORGANIC CHEMISTRY, vol.13, no.9, pp.636-651, 2016 (SCI-Expanded)
- XIII. **Microwave-assisted synthesis of some hybrid molecules containing penicillanic acid or cephalosporanic acid moieties and investigation of their biological activities**  
Başoğlu S., Ülker S., ALPAY-KARAOĞLU S., DEMİRBAŞ N.  
MEDICINAL CHEMISTRY RESEARCH, vol.23, no.6, pp.3128-3143, 2014 (SCI-Expanded)
- XIV. **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)
- XV. **Synthesis of Some Heterofunctionalized Penicillanic Acid Derivatives and Investigation of Their Biological Activities**  
Demirci S., DEMİRBAŞ A., Ulker S., Alpay-Karaoglu S., DEMİRBAŞ N.  
ARCHIV DER PHARMAZIE, vol.347, no.3, pp.200-220, 2014 (SCI-Expanded)
- XVI. **Design, synthesis and biological activities of some 7-aminocephalosporanic acid derivatives**  
BASOĞLU S., DEMİRBAŞ A., ULKER S., ALPAY-KARAOĞLU S., DEMİRBAŞ N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.69, pp.622-631, 2013 (SCI-Expanded)
- XVII. **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)
- XVIII. **Preparation and antimicrobial activity evaluation of some new bi- and triheterocyclic azoles**  
Demirci S., Basoglu S., Bozdereci A., DEMİRBAŞ N.  
MEDICINAL CHEMISTRY RESEARCH, vol.22, no.10, pp.4930-4945, 2013 (SCI-Expanded)
- XIX. **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)

XX. **Antimicrobial and antiurease activities of newly synthesized morpholine derivatives containing an azole nucleus**

Bektas H., Ceylan S., DEMİRBAŞ N., Alpay-Karaoglu S., Sokmen B. B.  
MEDICINAL CHEMISTRY RESEARCH, vol.22, no.8, pp.3629-3639, 2013 (SCI-Expanded)

XXI. **DESIGN, SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF SOME AZOLE DERIVATIVES**

Basoglu S., Yolal M., Demirci S., DEMİRBAŞ N., Bektas H., Karaoglu S. A.  
ACTA POLONIAE PHARMACEUTICA, vol.70, no.2, pp.229-236, 2013 (SCI-Expanded)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **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, (Summary Text)
- II. **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, (Summary Text)
- III. **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, (Summary Text)
- IV. **In vitro and In silico Investigation of Tyrosinase Inhibition By Some Novel Triazole Derivative Compounds Containing Fluoroquinolone Skeleton**  
KURNAZ B., ÇOLAK A., ÖZDEMİR S. B., DEMİRBAŞ N., DEMİR İ., ERDEM S.  
1.Euroasia Biochemical Approaches Technologies Congress, 27 - 30 October 2018, (Summary Text)
- V. **Molecular Docking of New Hybrid Triazole Derivatives into Tyrosinase Enzyme**  
DEMİR İ., ERDEM S., ÇOLAK A., DEMİRBAŞ N.  
1.Euroasia Biochemical Approaches Technologies Congress, 27 - 30 October 2018, (Summary Text)
- VI. **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, (Summary Text)
- VII. **Synthesis of New Mannich Bases Containing Imidazo[2,1- $\beta$ ][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, (Full Text)
- VIII. **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, (Full Text)
- 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**  
CEBECI 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, (Full Text)

- X. **Antimicrobial, Antioxidant, Anti Ureas & Acetylcholinesterase Activity of some New  $\beta$ -Lactam Analogs Containing Thiomorpholine and Azole rings**  
BAYRAK H., Uygun Y., DEMİRBAŞ N., Şirin Y.  
1st International Conference on Innovations in Natural Science and Engineering, Magosa, Cyprus (Kkctc), 3 - 06 January 2018, pp.157, (Full Text)
- XI. **Synthesis, Biological Assessment and Molecular Docking Studies of Novel Quinolone Derivatives**  
MERMER A., DEMİRBAŞ N., DEMİRBAŞ A.  
International Congress on Chemistry and Materials Science, 5 - 07 October 2017, (Summary Text)
- XII. **Synthesis and Characterization of Some Novel 1,2,4-Triazole Derivatives Bearing Fluorophenyl and Piperazine Moieties as Promising Heterocycles**  
DEMİRBAŞ N., BASOĞLU OZDEMİR S., DEMİRBAŞ A.  
International Congress on Chemistry and Materials Science, 5 - 07 October 2017, (Summary Text)
- XIII. **Synthesis, Molecular Docking and Acetylcholinesterase Inhibitory Activity of Some Novel Quinoline Derivatives**  
uslu H., MERMER A., Özdemir Z., DEMİRBAŞ N.  
International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017, (Summary Text)
- XIV. **Synthesis of Some New Schiff Bases Containing Azole Rings Starting from Phenyl piperazine and Investigation their Antimicrobial and Antioxidant Activity**  
BAYRAK H., MERMER A., DEMİRBAŞ N., Şirin Y.  
International Congress on Chemistry and Materials Science, 5 - 07 October 2017, (Summary Text)
- XV. **Synthesis and Antimicrobial Activity Evaluation of New Conazole Scaffolds Bearing Antipyrine Structure**  
BAYRAK H., UYGUN CEBECİ Y., MERMER A., DEMİRBAŞ N., DEMİRBAŞ A.  
3rd International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017, (Summary Text)
- XVI. **Synthesis of Quinolone and 1,2,4-Triazol Derivatives Starting From 3-Chloro-4-Fluoroaniline**  
CEYLAN Ş., UYGUN CEBECİ Y., BASOĞLU OZDEMİR S., DEMİRBAŞ N., DEMİRBAŞ A.  
3rd International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017, (Summary Text)
- XVII. **Synthesis and Antimicrobial Activity Evaluation of New Conazole Scaffolds Bearing Antipyrine Structure**  
BAYRAK H., UYGUN CEBECİ Y., MERMER A., DEMİRBAŞ N., DEMİRBAŞ A.  
3rd International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017, (Summary Text)
- XVIII. **Synthesis of Some New Schiff Bases Containing Azole rings starting from Phenylpiperazine and Investigating their Antimicrobial and Antioxidant Activity**  
BAYRAK H., MERMER A., DEMİRBAŞ N., Şirin Y.  
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE (ANCON2017), Ankara, Turkey, 5 - 07 October 2017, pp.32, (Full Text)
- XIX. **Synthesis of Significant New Mannich Bases Containing Antipyrine, Triazole, Ciprofloxacin And Norfloxacin Groups - Biological Activity Studies**  
BAYRAK H., Uygun Cebeci Y., MERMER A., DEMİRBAŞ N.  
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE (ANCON2017), Ankara, Turkey, 5 - 07 October 2017, pp.31, (Full Text)
- XX. **Synthesis and Antimicrobial Activity Evaluation of New Conazole Scaffolds Bearing Antipyrine Structure**  
BAYRAK H., CEBECİ UYGUN Y., MERMER A., DEMİRBAŞ N., DEMİRBAŞ A.  
3rd International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017, (Summary Text)
- XXI. **Antioxidant and Antimicrobial activity of Newly Synthesized Heterocyclic Compounds Bearing**

### **Pharmacophore Groups with $\beta$ -Lactam Ring**

BAYRAK H., UYGUN CEBECİ Y., DEMİRBAŞ N., ŞİRİN Y.

3rd International Turkic World Conference on Chemical Sciences & Technologies / ITWCCST - 2017, Baku, Azerbaijan, 10 - 13 September 2017, (Full Text)

- XXII. **Synthesis and Antimicrobial Evaluation of New Conazole Scaffolds Bearing Antipyrine Structure**  
BAYRAK H., UYGUN CEBECİ Y., MERMER A., DEMİRBAŞ N., DEMİRBAŞ A.  
3rd International Turkic World Conference on Chemical Sciences & Technologies / ITWCCST - 2017, Baku, Azerbaijan, 10 - 13 September 2017, (Full Text)
- XXIII. **synthesis of some novel beta lactam hybrids including azole rings based on piperazine nucleus**  
MERMER A., BAYRAK H., DEMİRBAŞ N., UYGUN Y., BASOĞLU ÖZDEMİR S., DEMİRBAŞ A.  
4th International Bau Drug Design congress, 13 - 16 October 2016
- XXIV. **Synthesis and Characterization of New Hybrid Molecules Derived From 4 4 fluorophenyl piperazine**  
DEMİRBAŞ N., DEMİRBAŞ A., BAŞOĞLU ÖZDEMİR S., UYGUN Y., MERMER A., BAYRAK H., CEYLAN Ş.  
4 th International Bau Drug Design Congress, 13 - 15 October 2016
- XXV. **Synthesis of Some beta Lactame Hybrids Including Azole Rings Based on Piperazine Nucleus**  
MERMER A., BAYRAK H., DEMİRBAŞ N., UYGUN CEBECİ Y., BAŞOĞLU ÖZDEMİR S., DEMİRBAŞ A.  
4 th International Bau Drug Design Congress, 13 - 15 October 2016
- XXVI. **synthesis molecular docking studies of novel fluoroquinolone derivatives and investigation of their antibacterial activity**  
DEMİRBAŞ N., MERMER A., UYGUN Y., BAŞOĞLU ÖZDEMİR S., BAYRAK H.  
4th International Bau Drug Design Congress, 13 - 15 October 2016
- XXVII. **Synthesis Molecular Docking of Novel Fluoroquinolone Derivates and Investigation of Their AntibacterialActivity**  
DEMİRBAŞ N., MERMER A., CEBECİ UYGUN Y., ÖZDEMİR BAŞOĞLU S., BAYRAK H.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- XXVIII. **synthetic route for novel fluoroquinolone and conazole derivatives containing different pharmacophores starting from antipyrine**  
UYGUN Y., BAYRAK H., DEMİRBAŞ A., ÖZDEMİR S., DEMİRBAŞ N.  
4th International Bau Drug Design Congress, 13 - 15 October 2016, (Full Text)
- XXIX. **Synthesis of some Novel  $\beta$ -Lactam Hybrids Including Azole Rings Based on Piperazine Nucleus**  
Mermer A., BAYRAK H., DEMİRBAŞ N., UYGUN Y., BAŞOĞLU S., DEMİRBAŞ A.  
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EHRlich II-2nd World Conferance on Magic Bullets Celebrating the 100th Anniversary of the Nobel Prize Award to Paul Ehrlich, Nürnberg, Germany, 3 - 05 October 2008, pp.11-12, (Full Text)
- XCVIII. **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 Conferance on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.42, (Full Text)
- XCIX. **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 Conferance on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.45, (Full Text)
- C. **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 Conferance on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.44, (Full Text)
- CI. **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 Conferance on Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.43, (Full Text)

## Funded Projects

DEMİRBAŞ N., MERMER A., Project Supported by Higher Education Institutions, Azol-Kinolon konjugasyonu ve rodaniniler: geleneksel, mikrodalga ve ultrasonik ışınlandırma destekli sentezleri, biyolojik potansiyellerinin araştırılması, 2015 - 2018

DEMİRBAŞ N., TUBITAK Project, Potansiyel Antimikrobial Bileşikler Olarak Penisilin-, Sefalosporin- ve Norfloxacin-Azol Hibrit Moleküllerin Sentezi ve Karakterizasyonu, 2011 - 2014

## Peer Reviews in Scientific Publications

Research on Chemical Intermediates (RINT), SCI Journal, December 2015  
Heterocyclic communications, SCI Journal, November 2015  
Turkish journal of chemistry, SCI Journal, November 2015  
European Journal of Medicinal Chemistry, SCI Journal, May 2015  
European Journal of Medicinal Chemistry, SCI Journal, June 2014  
Journal of enzym inhibition and medicinal chemistry, SCI Journal, February 2014  
European Journal of Medicinal Chemistry, SCI Journal, November 2013  
European Journal of Medicinal Chemistry, SCI Journal, June 2013  
journal of chemistry, SCI Journal, June 2013  
European Journal of Medicinal Chemistry, SCI Journal, April 2013  
European Journal of Medicinal Chemistry, SCI Journal, February 2013  
Turkish Journal of Chemistry, SCI Journal, February 2013  
Türk kimya dergisi, National Scientific Refreed Journal, December 2012  
Arabian Journal of Chemistry, SCI Journal, December 2012  
European Journal of Medicinal Chemistry, SCI Journal, December 2012  
European Journal of Medicinal Chemistry, SCI Journal, November 2012  
Medicinal Chemistry Research, SCI Journal, October 2012  
Letters in Drug Design and Discovery, SCI Journal, October 2012  
letters in organic chemistry, Other Indexed Journal, October 2012  
Yanbu of Engineering and Science , Other Indexed Journal, September 2012  
Organic communications, Other journals, August 2012  
scientia pharmaceutica, Other Indexed Journal, August 2012  
Turkish Journal of Chemistry, SCI Journal, June 2012  
European Journal of Medicinal Chemistry, SCI Journal, June 2012  
Journal of the Serbian Chemical Society, SCI Journal, May 2012  
Turkish Journal of Chemistry, SCI Journal, April 2012  
Journal of the Serbian Chemical Society, SCI Journal, March 2012  
European Journal of Medicinal Chemistry, SCI Journal, February 2012  
Medicinal Chemistry Research, SCI Journal, January 2012  
Turkish journal of Chemistry, SCI Journal, December 2011  
European Journal of Medicinal Chemistry, SCI Journal, November 2011  
Letters in Drug Design and Discovery, SCI Journal, November 2011  
European Journal of Medicinal Chemistry, SCI Journal, September 2011  
enzym inhibition and medicinal chemistry, SCI Journal, September 2011  
Medicinal Chemistry Research, SCI Journal, August 2011  
Turkish journal of Chemistry, SCI Journal, May 2011  
Int Jrn of Peptide Research & Therapeutics , SCI Journal, May 2011  
Turkish Journal of Chemistry, SCI Journal, May 2011  
Bioorganic & Medicinal Chemistry, SCI Journal, May 2011  
European Journal of Medicinal Chemistry, SCI Journal, April 2011  
Turkish Journal of Chemistry, SCI Journal, April 2011  
Medicinal Chemistry Research, SCI Journal, April 2011  
European Journal of Medicinal Chemistry, SCI Journal, April 2011  
Applied organometalic chemistry, SCI Journal, April 2011  
Turkish Journal of Chemistry, SCI Journal, April 2011

journal of pharmacy and pharmacology, SCI Journal, April 2011  
Journal of the Serbian Chemical Society, SCI Journal, March 2011  
Turkish Journal of Chemistry, SCI Journal, February 2011  
European journal of medicinal chemistry, SCI Journal, December 2010  
Monatshefte für Chemie, SCI Journal, November 2010  
Turkish Journal of Chemistry, SCI Journal, October 2010  
Serbian chemical society, SCI Journal, October 2010  
Medicinal Chemistry Research, SCI Journal, October 2010  
The Chemical Society of Ethiopia, Other Indexed Journal, September 2010  
Medicinal Chemistry Research, SCI Journal, September 2010  
Organic communications, Other journals, July 2010  
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European Journal of Medicinal Chemistry, SCI Journal, July 2010  
Turkish Journal of Chemistry, SCI Journal, July 2010  
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European Journal of Medicinal Chemistry, SCI Journal, April 2010  
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European Journal of Medicinal Chemistry, SCI Journal, February 2010  
European Journal of Medicinal Chemistry, SCI Journal, February 2010  
journal of heterocyclic chemistry, SCI Journal, January 2010  
Turkish Journal of Chemistry, SCI Journal, December 2009  
European Journal of Medicinal Chemistry, SCI Journal, October 2009  
Ultrasonics sonochemistry, SCI Journal, September 2009  
European Journal of Medicinal Chemistry, SCI Journal, August 2009  
Monatshefte für Chemie, SCI Journal, August 2009  
European Journal of Medicinal Chemistry, SCI Journal, July 2009  
journal of heterocyclic chemistry, SCI Journal, June 2009  
European Journal of Medicinal Chemistry, SCI Journal, April 2009  
Turkish Journal of Chemistry, SCI Journal, February 2009  
Turkish Journal of Chemistry, SCI Journal, November 2008  
Turkish Journal of Chemistry, SCI Journal, November 2008  
European Journal of Medicinal Chemistry, SCI Journal, July 2008  
Phosphorus, Sulfur, and Silicon And the Related Elements, SCI Journal, May 2008  
Turkish journal of Chemistry, SCI Journal, January 2008  
Turkish journal of Chemistry, SCI Journal, January 2008  
International Journal of Molecular sciences, Other Indexed Journal, November 2007  
Journal of Pharmacy and Pharmacology, SCI Journal, August 2006  
Bioorganic Medicinal Chemistry, SCI Journal, March 2006  
Bioorganic Medicinal Chemistry, SCI Journal, March 2006  
JOURNAL of SULFUR CHEMISTRY , Other journals, January 2006  
JOURNAL of SULFUR CHEMISTRY , Other Indexed Journal, January 2006

## **Scientific Consultations**

TUBİTAK, Project Consultancy, Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey, 2010 - 2012

## **Metrics**

Publication: 172

Citation (WoS): 1991  
Citation (Scopus): 2140  
H-Index (WoS): 20  
H-Index (Scopus): 20

## Congress and Symposium Activities

International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST, Attendee, Sarajevo, Bosnia And Herzegovina, 2015  
16th Tetrahedron Symposium, Attendee, Berlin, Germany, 2015  
Anatolian Conference on Synthetic Organic Chemistry, Attendee, Antalya, Turkey, 2015  
2. Ulusal organik kimya kongresi, Attendee, ANKARA, Turkey, 2014  
2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Attendee, ANTALYA, Turkey, 2014  
1. Ulusal Organik Kimya Kongresi, Attendee, SAKARYA, Turkey, 2013  
44 th World Chemistry Congress, Attendee, İSTANBUL, Turkey, 2013  
14th Tetrahedron Symposium, Challenges in Bioorganic and Organic Medicinal Chemistry, Attendee, VİYENA, Austria, 2013  
13th Tetrahedron Symposium, Attendee, AMSTERDAM, Netherlands, 2012  
7th Euroasian Meeting on Heterocyclic Chemistry, Attendee, İSTANBUL, Turkey, 2012  
25. Ulusal kimya kongresi, Attendee, ERZURUM, Turkey, 2011  
I. Eser Element Çalıştayı, Attendee, DENİZLİ, Turkey, 2010  
24. Ulusal Kimya Kongresi, Attendee, ZONGULDAK, Turkey, 2010  
5. Ulusal Analitik Kimya Kongresi, Attendee, ERZURUM, Turkey, 2010  
23. Ulusal Kimya Kongresi, Attendee, SİVAS, Turkey, 2009  
Ehrlich II nd World Conference On Magic Bullets, Attendee, NÜNBERG, Turkey, 2008  
XXII. Ulusal Kimya Kongresi, Attendee, KKTC/MAGUSA, Zimbabwe, 2008  
International Conference On Organic Chemistry, Attendee, ERZURUM, Turkey, 2007  
XVII. Ulusal Kimya Kongresi, Attendee, İSTANBUL, Turkey, 2003  
XVI. Ulusal Kimya Kongresi, Attendee, KONYA, Turkey, 2002  
XII. Ulusal Kimya Kongresi, Attendee, EDİRNE, Turkey, 1998  
IX. Kimya ve Kimya Mühendisliği Sempozyumu, Attendee, TRABZON, Turkey, 1993  
. Kimya ve Kimya Mühendisliği Sempozyumu, Attendee, ANKARA, Turkey, 1988

## Non Academic Experience

Karadeniz Teknik Üniversitesi, Profesör Doktor  
Karadeniz Teknik Üniversitesi, Doçent Doktor  
Karadeniz Teknik Üniversitesi, Yardımcı Doçent Doktor  
Karadeniz Teknik Üniversitesi, Araştırma Görevlisi