

# Prof. NESLİHAN DEMİRBAŞ

## Personal Information

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## Education Information

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

German, A1 Beginner

English, B2 Upper Intermediate

## 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 Titles / Tasks

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

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

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

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

Fotokimya, Postgraduate, 2014 - 2015

Delokalizasyon konjugasyon ve konjuge katılmalar, Doctorate, 2014 - 2015, 2013 - 2014  
Biyoaktif Organik Bileşikler, Undergraduate, 2014 - 2015  
Biyoaktif kaynaşmış heterosiklikler, Postgraduate, 2013 - 2014  
Hidrazitlerle yapılan Heterosiklik Sent. , Postgraduate, 2013 - 2014  
Antitümör heterosiklikler, Postgraduate, 2013 - 2014  
Org Kimya Lab. I, Undergraduate, 2013 - 2014  
Biyoaktif Org. Bileşikler , Undergraduate, 2012 - 2013

## Advising 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.Baçoğlu(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

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

Academic Staff Examination, profesörlük atama jüri üyeliği, profesörlük 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

## Published journal articles indexed by 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., KARAĞLU 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., MENTESE 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)

### Refereed Congress / Symposium Publications in Proceedings

- 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
- 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
- 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
- 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
- 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
- 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
- VII. **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
- 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
- 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
- X. **Antimicrobial, Antioxidant, Anti Ureas & Acetylcholinesterase Activity of some New β-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 (Kktc), 3 - 06 January 2018, pp.157

- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- XXI. **Antioxidant and Antimicrobial activity of Newly Synthesized Heterocyclic Compounds Bearing Pharmacophore Groups with  $\beta$ -Lactam Ring**  
BAYRAK H., Uygun Cebeci Y., DEMİRBAŞ N., Şirin Y.  
3rd International Turkic World Conference on Chemical Sciences & Technologies / ITWCCST - 2017, Baku, Azerbaijan, 10 - 13 September 2017
- XXII. **Synthesis and Antimicrobial Evaluation of New Conazole Scaffolds Bearing Antipyrine Structure**  
BAYRAK H., Uygun Cebeci Y., Mermer A., DEMİRBAŞ N., DEMİRBAŞ A.  
3rd International Turkic World Conference on Chemical Sciences & Technologies / ITWCCST - 2017, Baku, Azerbaijan, 10 - 13 September 2017

- 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. **Sythesis 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. **Sythesis 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 fluoroquinole 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 strarting from antypyrene**  
UYGUN Y., BAYRAK H., DEMİRBAŞ A., ÖZDEMİR S., DEMİRBAŞ N.  
4th International Bau Drug Design Congress, 13 - 15 October 2016
- 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.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.52
- XXX. **Synthesis and Characterization of New Hybrid Molecules Derived from 4-(4-Fluorophenyl)piperazine**  
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- XXXI. **Synthesis, Molecular Docking of Novel Fluoroquinolone Derivatives and Investigation of Their Antibacterial Activity**  
DEMİRBAŞ N., Mermer A., Uygun Y., Başoğlu S., BAYRAK H.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.83
- XXXII. **Synthetic Route for Novel Fluoroquinolone and Conazole Derivatives Containing Different Pharmacophore Groups Starting from Antipyrine**  
Uygun Y., BAYRAK H., DEMİRBAŞ A., Başoğlu S., DEMİRBAŞ N.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- XXXIII. **Mikrodalga Destekli Florokinolon Türevi Bileşiklerin Sentezi ve Karakterizasyonu**  
CEBECİ UYGUN Y., BAŞOĞLU ÖZDEMİR S., CEYLAN Ş., MERMER A., BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016
- XXXIV. **Bazı Schiff ve Mannich Bazlarının Sentezi ve Karakterizasyonu**  
CEYLAN Ş., UYGUN Y., ÖZDEMİR BAŞOĞLU S., MERMER A., BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016
- XXXV. **Yeni 2 5 dihidro 1H pirrollerin Sentezi ve Karakterizasyonu**  
ÖZDEMİR BAŞOĞLU S., UYGUN Y., MERMER A., BAYRAK H., CEYLAN Ş., DEMİRBAŞ N., DEMİRBAŞ A.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016
- XXXVI. **Yeni Norfloksazin Türevi Bileşiklerin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
MERMER A., TÜFEKÇİ E. F., ÖZDEMİR BAŞOĞLU S., CEYLAN Ş., DEMİRCİ S., BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N.  
III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016
- XXXVII. **Morfolin ve Azol Halkaları İçeren Yeni Hibrit Bileşiklerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
BAYRAK H., Uygun Y., Mermer A., DEMİRBAŞ N.

- III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.112
- XXXVIII. **Microwave Assisted Synthesis and Biological Activity Studies of Some New Derived from Antipyrine**  
DEMİRBAŞ N., DEMİRCİ S., MERMER A., ÜLKER S., DEMİRBAŞ A.  
3rd International Bau Drug Design Congress, 1 October - 03 December 2015
- XXXIX. **Synthesis of Some New Norfloxacin Derivatives and Investigation of Their Antimicrobial Activities**  
DEMİRCİ S., Menteşe M., Arif M., ÜLKER S., DEMİRBAŞ A., DEMİRBAŞ N.  
3rd International Bau Drug Design Congress, 1 October - 03 December 2015
- XL. **Anti Quorum Sensing Activities of some synthetic Chemicals and Natural products**  
sanaz h., enis ffuat t., DEMİRBAŞ N., ÜNVER Y., SÖKMEN M., SÖKMEN A., YAYLI N., KILIÇ A. O.  
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- XLII. **Synthesis and Antimicrobial Activities of Novel Conazoles with Triazol Ring**  
Arif M., Yıldız U., DEMİRCİ S., serap B., DEMİRBAŞ N., ÜLKER S.  
1st International Turkic World Conference on Chemical Science and Technologies, SARAYOVA, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.237
- XLIII. **Synthesis of Some Heterofunctionalized Norfloxacin Derivatives and Investigation of Their Biological Activities**  
DEMİRCİ S., Yolal M., Mermer A., DEMİRBAŞ N., DEMİRBAŞ A.  
1st International Turkic World Conference on Chemical Science and Technologies, SARAYOVA, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.270
- XLIV. **Synthesis and Antimicrobial Evaluation of Nalidixic Acid Based on 1,2,4-Triazole Derivatives**  
CEYLAN Ş., DEMİRBAŞ N., BAYRAK H., UYGUN Y., BAŞOĞLU S., DEMİRBAŞ A.  
1st International Turkic World Conference on Chemical Science and Technologies, SARAYOVA, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.85
- XLV. **Synthesis and Antimicrobial Activity of Triazole Containing Azole Derivatives**  
Arif M., Yıldız U., DEMİRCİ S., serap b., DEMİRBAŞ A., DEMİRBAŞ N., ÜLKER S.  
1st International Turkic World Conference on Chemical Science and Technologies, SARAYOVA, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.231
- XLVI. **Synthesis and Antimicrobial Activities of New Conazole and Fluoroquinolones**  
DEMİRBAŞ N., BAŞOĞLU S., UYGUN Y., MERMER A., DEMİRBAŞ A., DEMİRCİ S., CEYLAN Ş.  
1st International Turkic World Conference on Chemical Sciences, SARAYOVA, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.229
- XLVII. **Synthesis and Investigation of Their Antimicrobial Activities of new Conazole Derivatives Containing Morpholine and Fluorophenylene rings**  
BAYRAK H., UYGUN Y., MERMER A., BAŞOĞLU S., DEMİRBAŞ N., DEMİRBAŞ A., CEYLAN Ş., DEMİRCİ S.  
1st International Turkic World Conference on Chemical Science and Technologies, 27 October - 01 November 2015
- XLVIII. **SYNTHESIS OF NEW TRIAZOL DERIVATIVES CONTAINING SEVERAL PHARMACOPHORE GROUPS AND INVESTIGATION OF THEIR ANTIMICROBIAL ACTIVITIES**  
DEMİRBAŞ A., UYGUN Y., BAŞOĞLU S., MERMER A., BAYRAK H., CEYLAN Ş., DEMİRBAŞ N.  
1st International Turkic World Conference on Chemical Science and Technologies, 27 October - 01 November 2015
- XLIX. **Synthesis and Characterization of Some New Conazole Derived from Ethylpiperazine Nucleus**  
Başoğlu S., Uygun Y., BAYRAK H., DEMİRBAŞ N., Mermer A., DEMİRBAŞ A., Ceylan S.  
International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.104
- L. **Synthesis and Antimicrobial Activity Evaluation of New Fluoroquinolone Derivatives Starting from Triptamine**  
Uygun Y., Başoğlu S., Mermer A., BAYRAK H., Ceylan S., DEMİRBAŞ A., DEMİRBAŞ N., Ülker S.  
International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.105
- L. **Synthesis of new Conazole Derivatives Containing Morpholine and Fluorophenylene rings and Investigation of Their Antimicrobial Activities**



BAYRAK H., Uygun Y., Mermer A., Başoğlu S., DEMİRBAŞ A., DEMİRBAŞ N., Ceylan S., Demirci S.  
International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Sarajevo, Bosnia  
And Herzegovina, 27 October - 01 November 2015, pp.128

- LI. **Synthesis and Antimicrobial Evaluation of Nalidixic Acid Based 1,2,4-Triazole Derivatives**  
Ceylan S., DEMİRBAŞ N., BAYRAK H., Uygun Y., Başoğlu S., DEMİRBAŞ A.  
International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Sarajevo, Bosnia  
And Herzegovina, 27 October - 01 November 2015, pp.106
- LII. **Synthesis of New Triazol Derivatives Containing Several Pharmacophore Groups and Investigation of  
Their Antimicrobial Activities**  
DEMİRBAŞ A., Uygun Y., Başoğlu S., Mermer A., BAYRAK H., Ceylan S., DEMİRBAŞ N.  
International Turkic World Conference on Chemical Sciences and Technologies-ITWCCST 2015, Sarajevo, Bosnia  
And Herzegovina, 27 October - 01 November 2015, pp.103
- LIII. **Synthesis And Antimicrobial Activities Of Some New Conazoles Derived From Fluorophenyl  
Piperazine Nucleus**  
Serap B., Yıldız U., DEMİRBAŞ N.  
16th Tetrahedron Symposium, Berlin, Germany, 16 - 19 June 2015, pp.48
- LIV. **Synthesis and antimicrobial activities of new hybrid compounds derived from Nalidixic acid**  
BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., Mert S., Sefa Emre E., Aygün M.  
16th Tetrahedron Symposium, 15 - 19 June 2015
- LV. **Synthesis of some new hybrid molecules containing several pharmacophore groups and  
investigation of their antimicrobial activities**  
DEMİRBAŞ N., Başoğlu S., UYGUN Y.  
16th Tetrahedron Symposium, 16 - 19 June 2015
- LVI. **Synthesis Of Some New Compounds Containing conazole and Fluoroquinolone Ring and  
Investigaton Of Their Biological Activities**  
arif m., yıldız u., DEMİRBAŞ N.  
16th Tetrahedron Symposium, Berlin, Germany, 16 - 19 June 2015, pp.51
- LVII. **Synthesis and Antimicrobial Activities of New Hybrid Compounds derived from Nalidixic acid**  
BAYRAK H., DEMİRBAŞ A., DEMİRBAŞ N., Sıcak M., Ecevit S. E., Aygün M.  
16th Tetrahedron Symposium, Berlin, Germany, 16 - 19 June 2015
- LVIII. **SYNTHESIS OF SOME NEW HYBRID MOLECULES DERIVED FROM INDOLE 3 CARBALDEHYDE**  
Mermer A., Uygun Y., DEMİRBAŞ N., DEMİRBAŞ A., BAYRAK H., Başoğlu S., CEYLAN Ş.  
Anatolian Conference on Synthetic Organic Chemistry, 16 - 19 March 2015
- LIX. **Design synthesis and antimicrobial evaluation of novel 1 2 4 triazol type of fluconazole analogues**  
ARİF M., YILDIZ U., BAYRAK H., SERAP B., DEMİRBAŞ A., DEMİRBAŞ N., ÜLKER S.  
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015
- LX. **Design, synthesis and antimicrobial evaluation of novel 1,Z, -triazol type of fluconazole analogues**  
Mermer A., Uygun Y., BAYRAK H., Başoğlu S., DEMİRBAŞ A., DEMİRBAŞ N., Ülker S.  
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015, pp.119
- LXI. **Synthesis of some new hybrid molecules derived from indole-3-carbaldehyde**  
Mermer A., Uygun Y., DEMİRBAŞ N., DEMİRBAŞ A., BAYRAK H., Başoğlu S., Ceylan S.  
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015, pp.120
- LXII. **Konazol Esaslı Hibrit Moleküllerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
Mermer A., Uygun Y., BAYRAK H., Demirci S., DEMİRBAŞ A., DEMİRBAŞ N.  
2. Ulusal Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014, pp.116
- LXIII. **Florokinolon Halkası İçeren Piperazin Türevlerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
Mermer A., Uygun Y., BAYRAK H., Civelek N., DEMİRBAŞ A., DEMİRBAŞ N.  
2. Ulusal Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014
- LXIV. **Piperazinden Türeyen yeni Florokinolon ve β-Laktam Türevlerinin Sentezi ve Biyolojik  
Aktivitelerinin İncelenmesi**  
Uygun Y., BAYRAK H., Mermer A., Civelek N., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A., Ülker S., Bozdeveci A.

2. İlaç Kimyası Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 - 23 March 2014, pp.207
- LXV. **Florokinolon veya  $\beta$ -Laktam Halkası İçeren Yeni Hibrit Moleküllerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
Uygun Y., BAYRAK H., Mermer A., Civelek N., DEMİRBAŞ A., DEMİRBAŞ N., Ceylan S., Karaoglu S. A., Ülker S., Bozdeveci A.  
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- LXVI. **Farklı Farmakofor Gruplar İçeren Bileşiklerin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
BAYRAK H., Mermer A., Uygun Y., Civelek N., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A., Ülker S., Bozdeveci A.  
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- LXVII. **Florokinolon veya  $\beta$ -Laktam Halkası İçeren Piperazin Türevlerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi**  
Mermer A., Uygun Y., BAYRAK H., Civelek N., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A., Ülker S., Bozdeveci A.  
2. İlaç Kimyası Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 - 23 March 2014, pp.203
- LXVIII. **Nikotinik Asit Hidrazitten Başlayarak Bazı Mannich Bazlarının Sentezi ve Biyolojik Aktivitelerinin Belirlenmesi**  
Ceylan S., Başoğlu S., Uygun Y., DEMİRBAŞ N., BAYRAK H., Karaoglu S. A.  
I. Ulusal Organik Kimya Kongresi, Sakarya, Turkey, 25 - 29 October 2013, pp.139
- LXIX. **Microwave assisted synthesis and antimicrobial activity evolution of some new norfloxacin derivatives carrying an azole moiety**  
YOLAL M., DEMİRBAŞ N., DEMİRBAŞ A., BAŞOĞLU S., DEMİRCİ S., ALPAY-KARAOĞLU Ş.  
14. Tetrahedron Symposium, Viyana, Austria, 25 - 28 June 2013, pp.26
- LXX. **Microwave assisted synthesis of some penicillanic acid derivatives and investigation of their antimicrobial activities**  
DEMİRCİ S., BAŞOĞLU S., DEMİRBAŞ N., DEMİRBAŞ A., BOZDERECİ A.  
14. Tetrahedron Symposium, Viyana, Austria, 25 - 28 June 2013, pp.21
- LXXI. **Microwave assisted synthesis of some  $\beta$ -lactam derivatives and investigation of their antimicrobial activities**  
DEMİRCİ S., BAŞOĞLU S., DEMİRBAŞ N., DEMİRBAŞ A.  
14. Tetrahedron Symposium, Viyana, Austria, 25 - 28 June 2013, pp.20
- LXXII. **Microwave assisted synthesis of new 7-aminocephalosporonic acids derivatives as possible as antimicrobial agents**  
BAŞOĞLU S., DEMİRCİ S., CEYLAN Ş., MENTEŞE M., DEMİRBAŞ N., DEMİRBAŞ A.  
14. Tetrahedron Symposium, Viyana, Austria, 25 - 28 June 2013, pp.27
- LXXIII. **Synthesis and characterization of penicilin-azol derivatives as potential antimicrobial compounds**  
DEMİRCİ S., BAŞOĞLU S., YOLAL M., DEMİRBAŞ N., DEMİRBAŞ A.  
13th Tetrahedron Symposium, Amsterdam, Netherlands, 26 - 29 June 2012, pp.89
- LXXIV. **Cyclization of some carbothioamide derivatives containing piperazine and fluorophenylene moieties as possible antimicrobial agents**  
BAŞOĞLU S., DEMİRCİ S., UYGUN Y., DEMİRBAŞ N., DEMİRBAŞ A.  
13th Tetrahedron Symposium, Amsterdam, Netherlands, 26 - 29 June 2012, pp.80
- LXXV. **İmidazol Halkası İçeren Triazol Türevlerinin Sentezi, Antimikrobial Aktivitelerinin İncelenmesi**  
DEMİRCİ S., BAŞOĞLU S., CEYLAN Ş., DEMİRBAŞ N., DEMİRBAŞ A.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.335
- LXXVI. **Triptamin Halkası İçeren Bileşiklerin Sentezi ve Karşılık Gelen Schiff ve Mannich Bazlarına Dönüştürülmesi**  
CEYLAN Ş., BAŞOĞLU S., DEMİRCİ S., BEKTAŞ H., ÖZTÜRK H., DEMİRBAŞ N., DEMİRBAŞ A.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.355
- LXXVII. **Triptamin Halkası İçeren Bazı 1,2,4-Triazol-3-on Türevlerinin Sentezi ve Yapılarının Aydınlatılması**  
CEYLAN Ş., DEMİRCİ S., BAŞOĞLU S., UYGUN Y., BEKTAŞ H., DEMİRBAŞ N., DEMİRBAŞ A.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.356
- LXXVIII. **Poliheterosiklik Moleküllerin Sentezi, Antimikrobial ve Antitümöral Aktivitelerinin İncelenmesi**

- DEMİRCİ S., BAŞOĞLU S., CEYLAN Ş., ÖZTÜRK H., UYGUN Y., DEMİRBAŞ N., DEMİRBAŞ A.  
25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.334
- LXXXIX. **İndol ve Triazol Halkasını İçeren Bazı Yeni Bileşiklerin Sentezi ve Karakterizasyonu**  
BEKTAŞ H., DEMİRBAŞ N., DEMİRBAŞ A., ÖZYANIK M., YOLAL M., FANDAKLI S., BAŞOĞLU S.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.159
- LXXX. **Linezolid Benzeri Bileşiklerin Sentezi ve Antimikrobiale Özelliklerinin Belirlenmesi**  
BAŞOĞLU S., DEMİRBAŞ N., DEMİRBAŞ A., YOLAL M., BEKTAŞ H.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.236
- LXXXI. **2-Aminobenzotiyazol Üzerine Bir Çalışma**  
CEYLAN Ş., DEMİRBAŞ N., DEMİRBAŞ A., YOLAL M., BEKTAŞ H.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.162
- LXXXII. **2-[4-(Alkilamino)-3-(4-Metilfenil)-5-Okso-4,5-dihidro-1H-1,2,4-Triazol-1-il]asetohidrazidlerin Sentezi**  
FANDAKLI S., DEMİRBAŞ A., DEMİRBAŞ N., BEKTAŞ H.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.164
- LXXXIII. **Bazı Yeni 1,2,4-Triazol Halkası İçeren Mannich Bazları Türevlerinin Sentezi**  
BEKTAŞ H., DEMİRBAŞ N., DEMİRBAŞ A., ÖZYANIK M.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.158
- LXXXIV. **Antipirin Halkası İçeren 1,2,4-Triazol Türevlerinin Sentezi**  
BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- LXXXV. **Pirazin Halkası İçeren Bazı Azollerin Sentezi Ve Karşılık Gelen Mannich Bazlarına Dönüştürülmesi**  
PEKDEMİR F., DEMİRBAŞ N., DEMİRBAŞ A., ÖZYANIK M., DEMİRCİ S., YOLAL M., FANDAKLI S., BAŞOĞLU S.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.160
- LXXXVI. **1,2,4-Triazol Halkası İçeren Karbamatların Sentezi ve Antimikrobiale Özelliklerin İncelenmesi**  
BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A., Karaoglu S. A.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- LXXXVII. **1,2,4-Triazol Halkası İçeren Karbamatların Sentezi ve Antimikrobiale Özelliklerinin İncelenmesi**  
BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A., ALPAY\_KARAOĞLU Ş.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.167
- LXXXVIII. **Etil 2-Aminobenzotiyazol-4-asetat'ın Halka Kapatma Reaksiyonları**  
CEYLAN Ş., DEMİRBAŞ N., DEMİRBAŞ A., YOLAL M., BEKTAŞ H.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.163
- LXXXIX. **Kinolin Halkası İçeren Bazı Azollerin Sentezi Ve Karşılık Gelen Mannich Bazlarına Dönüştürülmesi**  
ÖZYANIK M., DEMİRBAŞ N., DEMİRBAŞ A., BEKTAŞ H., PEKDEMİR F., DEMİRCİ S., YOLAL M., FANDAKLI S., BAŞOĞLU S.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.161
- XC. **Cr(III), Cd(II) ve Pb(II) İyonlarının Yeni Bir Karbotiyamoit Üzerinde Birlikte Çöktürme ile Zenginleştirilmesi**  
Özdeş D., DURAN C., Elvan H., DEMİRBAŞ N., BULUT V. N., Soylak M.  
5. Ulusal Analitik Kimya Kongresi, Erzurum, Turkey, 21 - 25 June 2010, pp.190
- XCI. **Morfolin Halkası İçeren Bazı 1,2,4-triazol-3-on Türevlerinin Sentezi ve Yapılarının Aydınlatılması**  
Şahin D., DEMİRBAŞ A., DEMİRBAŞ N., BAYRAK H.  
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- XCII. **1,2,4-Biheterosiklik Triazol Türevlerinin Sentezi ve Özelliklerinin İncelenmesi**  
BAYRAK H., DEMİRBAŞ N., DEMİRBAŞ A.  
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- XCIII. **Muhtemel Antimikrobiale Bileşikler Olarak Antipirin Halkası İçeren 1,2,4-Triazol-3-on Türevlerinin Sentezi**  
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- X CIV. **İzonikotirik asit Hidraziti üzerine bir alıřma.**  
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- XCIX. **Synthesis of some new 1,2,4-triazol-5-ones containing piperazine and morpholine rings**  
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- C. **Synthesis of some new Schiff base derivatives of acetic acid hydrazides containing 1,2,4-triazole-5-one ring**  
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## Supported Projects

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

DEMİRBAŐ N., TUBITAK Project, Potansiyel Antimikrobiał BileŐiler Olarak Penisilin-, Sefalosporin- ve Norfloxacin-Azol Hibrit Molekllerin Sentezi ve Karakterizasyonu, 2011 - 2014

DEMİRBAŐ A., DEMİRBAŐ N., TUBITAK Project, Bazı Bi- ve Poliheterosiklik BileŐiklerin Sentezi, Antimikrobiał ve Antitmral zelliklerinin İncelenmesi, 2007 - 2010

## Scientific Refereeing

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

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European Journal of Medicinal Chemistry, SCI Journal, April 2013  
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Turkish Journal of Chemistry, SCI Journal, February 2013  
Türk kimya dergisi, National Scientific Refreed Journal, December 2012  
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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  
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sientia pharmaceutica, Other Indexed Journal, August 2012  
Organic communications, Other journals, 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  
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Turkish Journal of Chemistry, SCI Journal, May 2011  
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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  
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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): 1986

Citation (Scopus): 2118

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 Congresses, Attendee, İSTANBUL, Turkey, 2013
- 14th Tetrahedron Symposium, Challenges in Bioorganic and Organic Medicinal Chemistry, Attendee, VİYENA, Austria, 2013
- 7th Euroasian Meeting on Heterocyclic Chemistry, Attendee, İSTANBUL, Turkey, 2012
- 13th Tetrahedron Symposium, Attendee, AMSTERDAM, Netherlands, 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

Karadeniz Teknik Üniversitesi

Karadeniz Teknik Üniversitesi

Karadeniz Teknik Üniversitesi