

# Prof. NESLİHAN DEMİRBAŞ

## Personal Information

Office Phone: [+90 462377](tel:+90462377) Extension: 4252

Email: [neslihan@ktu.edu.tr](mailto:neslihan@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr//neslihan>

Address: [neslihan@ktu.edu.tr](mailto:neslihan@ktu.edu.tr)

## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1988 - 1995

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1984 - 1987

Under Graduate, 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

Post Graduate, 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 Edebiyat Fakültesi, Kimya, 2011 - Continues

Assistant Professor, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya, 1998 - 2006

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

## Courses

Organic Chem III, Under Graduate, 2013 - 2014, 2015 - 2016

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

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

Fotokimya, Post Graduate, 2014 - 2015

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

Biyoaktif Organik Bileşikler, Under Graduate, 2014 - 2015  
Biyoaktif kaynaşmış heterosiklikler, Post Graduate, 2013 - 2014  
Hidrazitlerle yapılan Heterosiklik Sent , Post Graduate, 2013 - 2014  
Antitümör heterosiklikler, Post Graduate, 2013 - 2014  
Org Kimya Lab. I, Under Graduate, 2013 - 2014  
Biyoaktif Org. Bileşikler , Under Graduate, 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.Başoğlu(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, Post Graduate, 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, Post Graduate, Y.Uygun(Student), 2012  
DEMİRBAŞ N., Linezolid benzeri bileşiklerin sentezi ve antimikrobiyal aktivitelerinin incelenmesi, Post Graduate, B.Serap(Student), 2011  
DEMİRBAŞ N., Eperezolid benzeri bazı bileşiklerin sentezi ve antimikrobiyal aktivitelerinin incelenmesi, Post Graduate, Y.Meltem(Student), 2011  
DEMİRBAŞ N., Kinolin halkası içeren bazı heterosiklik bileşiklerin sentezi ve antimikrobiyal özelliklerinin incelenmesi, Post Graduate, 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, Post Graduate, S.Hamza(Student), 2009  
DEMİRBAŞ N., 4,5-disubstüie-2,4-dihidro-3h-1,2,4-triazol-3-on'ların sentez ve özelliklerinin incelenmesi, Post Graduate, N.Ünal(Student), 2009  
DEMİRBAŞ N., 1,2,4-triazol içeren bazı karbotiyoamid türevlerinin sentezi ve reaksiyonlarının incelenmesi, Post Graduate, 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 Academic Staff, 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 Academic Staff, Doçentlik atama jüri üyeliği, Doçentlik atama jüri üyeliği, May, 2015

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

Appointment Academic Staff, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, May, 2014

Appointment Academic Staff, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, May, 2014

Appointment Academic Staff, Yardımcı Doçentlik atama jüri üyeliği, Yardımcı Doçentlik atama jüri üyeliği, January, 2014

Appointment Academic Staff, 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 Academic Staff, 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

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Anticancer activities of novel Mannich bases against prostate cancer cells**  
Demirci S., DEMİRBAŞ N.  
MEDICINAL CHEMISTRY RESEARCH, vol.28, pp.1945-1958, 2019 (Journal Indexed in SCI)
- II. **Discovery of Novel Sulfonamide-Based 5-Arylidenerhodanines as Effective Carbonic Anhydrase (II) Inhibitors: Microwave-Assisted and Ultrasound-Assisted One-Pot Four-Component Synthesis, Molecular Docking, and Anti-CA II Screening Studies**  
MERMER A., DEMİRBAŞ N., Cakmak U., ÇOLAK A., DEMİRBAŞ A., ALAGUMUTHU M., ARUMUGAM S.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, pp.2460-2468, 2019 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **4-Quinolone-Carboxamide and Carbothioamide Compounds as Fluorescent Sensors. New Fluorimetric Methods for Cu<sup>2+</sup> and Fe<sup>3+</sup> Determination in Tap Water and Soil**  
GUMRUKCUOĞLU A., TOPALOĞLU Y., MERMER A., DEMİRBAŞ N., DEMİRBAŞ A., OCAK M., OCAK Ü.  
JOURNAL OF FLUORESCENCE, vol.29, pp.921-931, 2019 (Journal Indexed in SCI)
- V. **Synthesis of novel Schiff bases using green chemistry techniques; antimicrobial, antioxidant, antiurease activity screening and molecular docking studies**  
MERMER A., DEMİRBAŞ N., USLU H., DEMİRBAŞ A., Ceylan S., SIRIN Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1181, pp.412-422, 2019 (Journal Indexed in SCI)
- VI. **Piperazine-azole-fluoroquinolone hybrids: Conventional and microwave irradiated synthesis, biological activity screening and molecular docking studies**  
MERMER A., FAIZ O., DEMİRBAŞ A., DEMİRBAŞ N., ALAGUMUTHU M., ARUMUGAM S.  
BIOORGANIC CHEMISTRY, vol.85, pp.308-318, 2019 (Journal Indexed in SCI)
- VII. **Microwave-Assisted Synthesis, Antioxidant, and Antimicrobial Evaluation of Piperazine-Azole-Fluoroquinolone Based 1,2,4-Triazole Derivatives**  
OZDEMİR S. B. , DEMİRBAŞ N., DEMİRBAŞ A., AYAZ F. A. , ÇOLAK N.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, pp.2744-2759, 2018 (Journal Indexed in SCI)

- VIII. **Synthesis, biological activity and structure activity relationship studies of novel conazole analogues via conventional, microwave and ultrasound mediated techniques**  
MERMER A., DEMİRBAŞ N., DEMİRBAŞ A., ÇOLAK N., AYAZ F. A. , Alagumuthu M., Arumugam S.  
BIOORGANIC CHEMISTRY, vol.81, pp.55-70, 2018 (Journal Indexed in SCI)
- IX. **Synthesis and antimicrobial activity evaluation of new norfloxacin-azole hybrids**  
Demirci S., DEMİRBAŞ N., MENTEŞE M., OZDEMİR S., KARAOĞLU S. A.  
HETEROCYCLIC COMMUNICATIONS, vol.24, pp.317-325, 2018 (Journal Indexed in SCI)
- X. **One-pot, Four-Component Green Synthesis, Carbonic Anhydrase II Inhibition and Docking Studies of 5-Arylidenerhodanines**  
MERMER A., DEMİRBAŞ N., ÇOLAK A., DEMİR E., KULABAŞ N., DEMİRBAŞ A.  
ChemistrySelect, vol.3, pp.12234-12242, 2018 (Journal Indexed in SCI Expanded)
- XI. **Conventional and microwave prompted synthesis, antioxidant, anticholinesterase activity screening and molecular docking studies of new quinolone-triazole hybrids**  
MERMER A., DEMİRBAŞ N., SIRIN Y., USLU H., ÖZDEMİR Z., DEMİRBAŞ A.  
BIOORGANIC CHEMISTRY, vol.78, pp.236-248, 2018 (Journal Indexed in SCI)
- XII. **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, pp.1347-1354, 2018 (Journal Indexed in SCI)
- XIII. **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, pp.2144-2151, 2018 (Journal Indexed in SCI)
- XIV. **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, pp.46-64, 2018 (Journal Indexed in SCI)
- XV. **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, pp.940-959, 2018 (Journal Indexed in SCI)
- XVI. **Microwave-Assisted Synthesis of Some Hybrid Molecules Derived from Morpholine and Investigation of Their Antimicrobial Activities**  
CEBECİ Y. U. , OZDEMİR S. B. , Ceylan S., BAYRAK H., DEMİRBAŞ A., ALPAY-KARAOĞLU S., DEMİRBAŞ N.  
CHEMISTRYSELECT, vol.2, pp.11402-11407, 2017 (Journal Indexed in SCI)
- XVII. **Synthesis of Some New Ciprofloxacin Hybrids as Potential Antimicrobial Agents**  
Mentese M., Beris F. S. , DEMİRBAŞ N.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.54, pp.2996-3007, 2017 (Journal Indexed in SCI)
- XVIII. **Conventional and microwave irradiated synthesis, biological activity evaluation and molecular docking studies of highly substituted piperazine-azole hybrids**  
MERMER A., Demirci S., OZDEMİR S. B. , DEMİRBAŞ A., ULKER S., AYAZ F. A. , Aksakal F., DEMİRBAŞ N.  
CHINESE CHEMICAL LETTERS, vol.28, pp.995-1005, 2017 (Journal Indexed in SCI)
- XIX. **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, pp.1785-1805, 2017 (Journal Indexed in SCI)
- XX. **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, pp.199-205, 2017 (Journal Indexed in SCI)

- XXI. **Synthesis and antimicrobial activity of new piperazine-based heterocyclic compounds**  
OZDEMİR S. B. , CEBECİ Y. U. , BAYRAK H., MERMER A., Ceylan S., DEMİRBAŞ A., KARAĞLU S. A. , DEMİRBAŞ N.  
HETEROCYCLIC COMMUNICATIONS, vol.23, pp.43-54, 2017 (Journal Indexed in SCI)
- XXII. **Structure-Based Hybridization, Conventional and Microwave Irradiated Synthesis, Biological Evaluation and Molecular Docking Studies of New Compounds Derived from Thiomorpholin**  
Demirci S., Aksakal F., ÇOLAK N., Ülker S., DEMİRBAŞ A., DEMİRBAŞ N.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, pp.444-463, 2017 (Journal Indexed in SCI)
- XXIII. **Synthesis and Antimicrobial Activities of Hybrid Heterocyclic Molecules Based on 1-(4-Fluorophenyl)piperazine Skeleton**  
OZDEMİR S. B. , DEMİRBAŞ N., CEBECİ Y. U. , BAYRAK H., MERMER A., Ceylan S., DEMİRBAŞ A.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, pp.1014-1034, 2017 (Journal Indexed in SCI)
- XXIV. **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, pp.229-237, 2016 (Journal Indexed in SCI)
- XXV. **The electrochemical and spectroelectrochemical properties of metal free and metallophthalocyanines containing triazole/piperazine units**  
DEMİRBAŞ Ü., Akyuz D., MERMER A., AKÇAY H. T. , DEMİRBAŞ N., KOCA A., KANTEKİN H.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.153, pp.478-487, 2016 (Journal Indexed in SCI)
- XXVI. **Microwave Assisted Synthesis and Antimicrobial Activity Evaluation of New Heterofunctionalized Norfloxacin Derivatives**  
MENTEŞE M., Demirci S., ÖZDEMİR S., DEMİRBAŞ A., ULKER S., DEMİRBAŞ N.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.13, pp.1076-1090, 2016 (Journal Indexed in SCI)
- XXVII. **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, pp.636-651, 2016 (Journal Indexed in SCI)
- XXVIII. **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-KARAĞLU S., DEMİRBAŞ N.  
MEDICINAL CHEMISTRY RESEARCH, vol.23, pp.3128-3143, 2014 (Journal Indexed in SCI)
- XXIX. **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, pp.314-329, 2014 (Journal Indexed in SCI)
- XXX. **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, pp.200-220, 2014 (Journal Indexed in SCI)
- XXXI. **Design, synthesis and biological activities of some 7-aminocephalosporanic acid derivatives**  
BASOĞLU S., DEMİRBAŞ A., ULKER S., ALPAY-KARAĞLU S., DEMİRBAŞ N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.69, pp.622-631, 2013 (Journal Indexed in SCI)
- XXXII. **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, pp.4930-4945, 2013 (Journal Indexed in SCI)
- XXXIII. **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, pp.743-756, 2013 (Journal Indexed in SCI)
- XXXIV. **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 (Journal Indexed in SCI)
- XXXV. **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, pp.3629-3639, 2013 (Journal Indexed in SCI)
- XXXVI. **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, pp.229-236, 2013 (Journal Indexed in SCI)
- XXXVII. **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, pp.4485-4498, 2012 (Journal Indexed in SCI)
- XXXVIII. **Synthesis and biological activity studies of new hybrid molecules containing tryptamine moiety**  
Bektas H., DEMİRBAŞ A., DEMİRBAŞ N., Karaoglu S. A.  
MEDICINAL CHEMISTRY RESEARCH, vol.21, pp.212-223, 2012 (Journal Indexed in SCI)
- XXXIX. **Synthesis of linezolid-like molecules and evaluation of their antimicrobial activities**  
BASOGLU S., YOLAL M., DEMİRBAŞ A., Bektas H., Abbasoglu R., DEMİRBAŞ N.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, pp.37-53, 2012 (Journal Indexed in SCI)
- XL. **Preparation and antimicrobial activity evaluation of some quinoline derivatives containing an azole nucleus**  
OZYANIK M., DEMIRCI S., Bektas H., DEMİRBAŞ N., DEMİRBAŞ A., Karaoglu S. A.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, pp.233-246, 2012 (Journal Indexed in SCI)
- XLI. **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, pp.411-426, 2012 (Journal Indexed in SCI)
- XLII. **Synthesis of Eperezolid Like Molecules and Evaluation of Their Antimicrobial Activities**  
DEMİRBAŞ N.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, pp.539-549, 2011 (Journal Indexed in SCI Expanded)
- XLIII. **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, pp.4726-4732, 2010 (Journal Indexed in SCI)
- XLIV. **Synthesis And Antimicrobial Activities of Some New 1,2,4-Triazol derivatives**  
DEMİRBAŞ N.  
TURKISH JOURNAL OF CHEMISTRY, pp.835-846, 2010 (Journal Indexed in SCI Expanded)
- XLV. **Synthesis and Antimicrobial Activities of Some New 1,2,4-Triazole Derivatives**  
Bektas H., Karaali N., Sahin D., DEMİRBAŞ A., Karaoglu S. A. , DEMİRBAŞ N.  
MOLECULES, vol.15, pp.2427-2438, 2010 (Journal Indexed in SCI)
- XLVI. **Synthesis and antimicrobial activities of 2-(5-mercapto)-1,3-oxadiazol-2-ylmethyl-1,2,4-triazol-3-one derivatives**  
DEMİRBAŞ A., SAHIN D., DEMİRBAŞ N., Karaoglu S. A. , Bektas H.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, pp.347-358, 2010 (Journal Indexed in SCI)
- XLVII. **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, pp.835-846, 2010 (Journal Indexed in SCI)
- XLVIII. **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, pp.517-527, 2010 (Journal Indexed in SCI)
- XLIX. **Synthesis of some new biheterocyclic triazole derivatives and evaluation of their antimicrobial**

**activity**

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## Scientific Refereeing

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## **Scientific Consultations**

TUBİTAK, Project Consultancy, Karadeniz Teknik Üniversitesi, Turkey, 2010 - 2012

## **Invited 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  
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XXII. Ulusal Kimya Kongresi, Attendee, KKTC/MAGUSA, Zimbabwe, 2008  
International Conference On Organic Chemistry, Attendee, ERZURUM, Turkey, 2007  
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XVI. Ulusal Kimya Kongresi, Attendee, KONYA, Turkey, 2002  
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