

# Prof. AHMET AĐRI KARABURUN

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Anadolu University, SAĐLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), Turkey 1997 - 2003

Postgraduate, Anadolu University, SAĐLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (YI) (Tezli), Turkey 1995 - 1997

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 1991 - 1995

## Foreign Languages

English, C1 Advanced

## Research Areas

Pharmaceutical Chemistry

## Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2020 - Continues

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2013 - 2020

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2004 - 2013

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 1997 - 2004

## Academic and Administrative Experience

Anadolu University, 2017 - 2020

Anadolu University, 2016 - 2018

Anadolu University, 2010 - 2014

## Courses

KANITA DAYALI ECZACILIK VE ARAŐTIRMA I, Undergraduate, 2019 - 2020

UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

UZMANLIK ALAN DERSİ, Doctorate, 2019 - 2020

MEZUNİYET PROJESİ II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015,

2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
TEZ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
ORGANİK KİMYA A, Undergraduate, 2019 - 2020  
ORGANİK KİMYA B, Undergraduate, 2019 - 2020  
FARMASÖTİK KİMYADA YAPI-ETKİ İLİŞKİLERİ I, Postgraduate, 2019 - 2020  
ORGANİK KİMYA I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
MEZUNİYET PROJESİ I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2010 - 2011  
TEZ, Doctorate, 2019 - 2020  
İLAÇ KİMYASINDA FONKSİYONEL GRUP ANALİZLERİ II, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
TEZ (TEZ ÖNERİSİ), Doctorate, 2019 - 2020  
ORGANİK KİMYA II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011  
HETEROSİKLİK İLAÇ KİMYASI II, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015  
FARMAKOPE ANALİZLERİ, Undergraduate, 2018 - 2019, 2017 - 2018  
MEDİSİNAL KİMYANIN TEMEL PRENSİPLERİ, Postgraduate, 2018 - 2019, 2017 - 2018, 2009 - 2010  
SEMİNER, Postgraduate, 2018 - 2019, 2016 - 2017  
SEMİNER, Doctorate, 2017 - 2018  
ORGANİK KİMYA I, Postgraduate, 2017 - 2018  
İLAÇ KİMYASINDA FONKSİYONEL GRUP ANALİZLERİ I, Postgraduate, 2016 - 2017, 2015 - 2016  
FARMASÖTİK KİMYA UYGULAMALARI IV, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2010 - 2011, 2007 - 2008  
İLAÇ KİMYASINDA FONKSİYONEL GRUP ANALİZLERİ I, Undergraduate, 2014 - 2015  
GENEL KİMYA II, Undergraduate, 2014 - 2015, 2013 - 2014  
FARMASÖTİK KİMYA UYGULAMALARI I, Undergraduate, 2013 - 2014, 2011 - 2012, 2010 - 2011  
FARMASÖTİK KİMYA I, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
GENEL KİMYA I, Undergraduate, 2012 - 2013, 2007 - 2008, 2006 - 2007, 2005 - 2006  
FARMASÖTİK KİMYA UYGULAMALARI II, Undergraduate, 2012 - 2013  
FARMASÖTİK KİMYA UYGULAMALARI III, Undergraduate, 2012 - 2013  
STEREOKİMYA VE İLAÇ RESEPTÖR İLİŞKİLERİ, Doctorate, 2011 - 2012  
FARMASÖTİK KİMYA IV, Undergraduate, 2011 - 2012

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

- I. **Design, synthesis, biological evaluation, and molecular modeling simulations of new phthalazine-1,4-dione derivatives as anti-Alzheimer's agents**  
Nuha D., EVREN A. E., SAĞLIK ÖZKAN B. N., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç.  
ARCHIV DER PHARMAZIE, vol.357, no.10, 2024 (SCI-Expanded)
- II. **Design and Evaluation of Synthesized Pyrrole Derivatives as Dual COX-1 and COX-2 Inhibitors Using FB-QSAR Approach**  
Naji S. A., Sağlık Özkan B. N., Agamennone M., Evren A. E., Gündoğdu-Karaburun N., Karaburun A. Ç.  
ACS OMEGA, vol.8, no.51, pp.48884-48903, 2023 (SCI-Expanded)
- III. **Design, synthesis, and antimicrobial activity of novel coumarin derivatives: An in-silico and in-vitro study**  
Nuha D., Evren A. E., Kapusiz O., Gül Ü. D., Gündoğdu-Karaburun N., Karaburun A. Ç., Berber H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1272, 2023 (SCI-Expanded)
- IV. **Biological activity evaluation of novel monoamine oxidase inhibitory compounds targeting Parkinson disease**  
Dawbaa S., Evren A. E., Sağlık B. N., Gündoğdu-Karaburun N., Karaburun A. Ç.

FUTURE MEDICINAL CHEMISTRY, vol.14, no.22, pp.1663-1679, 2022 (SCI-Expanded)

- V. **Synthesis of novel benzothiazole derivatives and investigation of their enzyme inhibitory effects against Alzheimer's disease**  
Karaca Ş., Osmaniye D., Sağlık B. N., Levent S., Ilgin S., Özkay Y., Karaburun A. Ç., Kaplancıklı Z. A., Gündoğdu-Karaburun N.  
RSC ADVANCES, vol.12, no.36, pp.23626-23636, 2022 (SCI-Expanded)
- VI. **Multifunctional quinoxaline-hydrazone derivatives with acetylcholinesterase and monoamine oxidases inhibitory activities as potential agents against Alzheimer's disease**  
Cevik U., OSMANİYE D., SAĞLIK B. N., KAYA ÇAVUŞOĞLU B., LEVENT S., KARADUMAN A. B., ILGIN S., KARABURUN A. Ç., ÖZKAY Y., KAPLANCIKLI Z. A., et al.  
MEDICINAL CHEMISTRY RESEARCH, vol.29, no.6, pp.1000-1011, 2020 (SCI-Expanded)
- VII. **Synthesis and Anticandidal Activities of Some Aryl (5-Chloro-Benzofuran-2-yl) Ketoximes**  
KARABURUN A. Ç.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.4, pp.427-436, 2019 (SCI-Expanded)
- VIII. **Synthesis and Anticancer Activity of Some 1H-inden-1-one Substituted (Heteroaryl)Acetamide Derivatives**  
Karaburun A. Ç., Gündoğdu-Karaburun N., Yurttaş L., Kayağil İ., Demirayak Ş.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.2, pp.111-118, 2019 (SCI-Expanded)
- IX. **Synthesis and Antifungal Potential of Some Novel Benzimidazole-1,3,4-Oxadiazole Compounds**  
KARABURUN A. Ç., Cavusoglu B. K., ACAR ÇEVİK U., OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., ATLI EKLIÖĞLU Ö., KOPARAL A. S., KAPLANCIKLI Z. A.  
MOLECULES, vol.24, no.1, 2019 (SCI-Expanded)
- X. **Synthesis and Evaluation of New 1,3,4-Thiadiazole Derivatives as Potent Antifungal Agents**  
KARABURUN A. Ç., ACAR ÇEVİK U., OSMANİYE D., SAĞLIK B. N., KAYA ÇAVUŞOĞLU B., LEVENT S., ÖZKAY Y., KOPARAL A. S., Behcet M., KAPLANCIKLI Z. A.  
MOLECULES, vol.23, no.12, 2018 (SCI-Expanded)
- XI. **New chroman-4-one/thiochroman-4-one derivatives as potential anticancer agents**  
Demirayak Ş., Yurttaş L., Gündoğdu-Karaburun N., Karaburun A. Ç., Kayağil İ.  
SAUDI PHARMACEUTICAL JOURNAL, vol.25, no.7, pp.1063-1072, 2017 (SCI-Expanded)
- XII. **Synthesis and Antiproliferative Activity of 2-arylidene 6-(2-aryl-2-oxoethoxy) Benzofuran-3-one Derivatives**  
Demirayak Ş., Yurttaş L., Karaburun A. Ç., Gündoğdu-Karaburun N., Kayağil İ.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.13, no.6, pp.563-569, 2016 (SCI-Expanded)
- XIII. **Synthesis and anti-cancer activity evaluation of new aurone derivatives**  
Demirayak S., Yurttaş L., Gündoğdu-Karaburun N., Karaburun A. Ç., Kayagil I.  
Journal of Enzyme Inhibition and Medicinal Chemistry, vol.30, no.5, pp.816-825, 2015 (SCI-Expanded)
- XIV. **Synthesis and Anticancer Activity of Some 2-[3/4-(2-Substituted Phenyl-2-oxoethoxy)benzylidene]-6-substituted-2,3-dihydro-1H-inden-1-one Derivatives**  
Gündoğdu-Karaburun N., Karaburun A. Ç., Demirayak Ş., Kayağil İ., Yurttaş L.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.11, no.5, pp.578-585, 2014 (SCI-Expanded)
- XV. **Synthesis, Antibacterial and Antifungal Activities of Some Carbazole Dithiocarbamate Derivatives**  
Karaburun A. Ç., Kaplancıklı Z. A., Gündoğdu-Karaburun N., Demirci F.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.8, no.9, pp.811-815, 2011 (SCI-Expanded)
- XVI. **Synthesis and Antifungal Activities of Some Aryl Naphthofuran Ketoximes**  
Karaburun A. Ç., Gündoğdu-Karaburun N., Ucucu U., Demirayak Ş.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.8, no.8, pp.758-762, 2011 (SCI-Expanded)
- XVII. **Synthesis and cytotoxic and analgesic activities of some 1,5-diaryl-3-ethoxycarbonylpyrrole derivatives**  
DEMİRAYAK Ş., Beis R., KARABURUN A. Ç., Kayagil I., Incesu Z., Ucucu U.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, no.1, pp.113-118, 2006 (SCI-Expanded)
- XVIII. **Some pyridazinone and phthalazinone derivatives and their vasodilator activities**

## Articles Published in Other Journals

- I. **Synthesis and antifungal activity of new nitrobenzofuran derivatives**  
KARABURUN A. Ç.  
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.2, pp.967-974, 2019 (Peer-Reviewed Journal)
- II. **Synthesis of some 4 phenyl cyclohexyl 5 1 phenoxyethyl 3 3 5 diaryl 2 pyrazolinyl acethyl thio 4H 1 2 4 triazole derivatives and their antifungal activity**  
Turan-Zitouni G., Kaplancıklı Z. A., Özdemir A., Demirayak Ş., Uçucu Ü., Meriç A., Gündoğdu-Karaburun N., Karaburun A. Ç., Tunali Y., Cem K., et al.  
Turkish Journal of Pharmaceutical Sciences, vol.8, no.1, pp.31-42, 2011 (Peer-Reviewed Journal)
- III. **Synthesis of some 4 phenyl cyclohexyl 5 1 phenoxyethyl 3 3 5 diaryl 2 pyrazolinyl acetyl thio 4H 1 2 4 triazole derivatives and their antifungal activity**  
TURAN ZITOUNI G., KAPLANCIKLI Z. A., ÖZDEMİR A., DEMİRAYAK Ş., UÇUCU Ü., MERİÇ A., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., TUNALI Y.  
Turkish Journal of Pharmaceutical Sciences, vol.8, no.1, pp.31-42, 2011 (ESCI)
- IV. **Synthesis and antibacterial and antifungal evolution of some ethyl 1- aryloxyacetylamino-5- arylpyrrole-3-carboxylic acid derivatives**  
DEMİRAYAK Ş., KARABURUN A. Ç., Kiraz N.  
Acta Pharmaceutica Turcica, vol.40, no.2, pp.73-76, 1998 (Scopus)

## Books & Book Chapters

- I. **EczÇEP-Eczacılık Fakülteleri Müfredat Detay Çalışması**  
AKALIN URUŞAK E., AKEV N., ERGİNER Y., GÜZELDEMİRÇİ N., TOKER S., KOLAK U., ÖZHAN G., GÜNGÖR S., GÜRER Ç., ÖZDEN S., et al.  
Kapitta Yayıncılık, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Design, synthesis and antifungal activity of pyrazoline, thiazole and imidazole bearing hybrid compounds.**  
KAYA ÇAVUŞOĞLU B., OSMANİYE D., ACAR ÇEVİK U., SAĞLIK B. N., LEVENT S., KARABURUN A. Ç., ÖZKAY Y., KAPLANCIKLI Z. A.  
2nd International Conference On Pharmaceutical Chemistry., 16 - 17 July 2018
- II. **Synthesis Of Benzopyran 4 One Benzothiopyran 4 One Derivatives And Their Antiproliferative Activity Evaluation**  
Demirayak Ş., Yurttaş L., Gündoğdu Karaburun N., Karaburun A. Ç., Kayağil İ.  
International Multidisciplinary Symposium on Drug Research and Development 2015 DRD, Eskişehir, Turkey, 15 - 17 October 2015
- III. **Synthesis and Anticancer Activity Evaluation of Some New Benzofuran 3 one Derivatives**  
DEMİRAYAK Ş., YURTTAŞ L., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., KAYAĞİL İ.  
Uluslararası İlaç ve Eczacılık Kongresi, 28 - 30 November 2014
- IV. **Synthesis and Anticancer Activities of Some Indanone and Tetrahydronaphthalenone Derivatives**  
KARABURUN A. Ç., GÜNDOĞDU KARABURUN N., BENKLİ K., DEMİRAYAK Ş.  
International Symposium on Medicinal Chemistry Research and Development 2005 (MCRD 2005), 28 September -

01 October 2005

- V. **Synthesis and Antifungal Activities of Some Aryl (3-Methylbenzofuran-2-yl) Ketoximes**  
BENKLİ K, KARABURUN A. Ç., GÜNDOĞDU KARABURUN N., UÇUCU Ü., DEMİRAYAK Ş.  
1st International Meeting on Medicinal and Pharmaceutical Chemistry (IMMPC-1), 25 - 28 September 2002
- VI. **Synthesis and Antifungal Activities of Some Aryl (2-Benzofuryl) Ketoximes**  
DEMİRAYAK Ş., UÇUCU Ü., BENKLİ K., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., AKAR D., KARABACAK M., KİRAZ N.  
3rd International Symposium on Pharmaceutical Chemistry (ISPC-3), 17 - 19 September 2001
- VII. **Synthesis and antispasmodic activity of some 2,5-di and 1,2,5-trisubstituted benzimidazole compounds.**  
UÇUCU Ü., IŞIKDAĞ İ., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., MERİÇ A., ÖZTÜRK Y., AYDIN S., ERĞÜN B.  
EUFEPS2000 (EUROPEAN FEDERATION FOR PHARMACEUTICAL SCIENCES) 6th EUROPEAN CONGRESS OF PHARMACEUTICAL SCIENCES, Budapest, Hungary, 16 - 19 September 2000, vol.11, pp.118-119
- VIII. **Synthesis and antispasmodic activity of some 2- and 1,2-disubstituted 4,5,6,7-tetrahydrobenzimidazoles.**  
IŞIKDAĞ İ., UÇUCU Ü., GÜNDOĞDU KARABURUN N., KARABURUN A. Ç., MERİÇ A., ÖZTÜRK Y., AYDIN S., ERĞÜN B.  
EUFEPS2000 (EUROPEAN FEDERATION FOR PHARMACEUTICAL SCIENCES) 6th EUROPEAN CONGRESS OF PHARMACEUTICAL SCIENCES, Budapest, Hungary, 16 - 19 September 2000, vol.11, pp.110-111

## Expert Reports

- I. **Yeni Piyasaya Sürülmüş Bazı Aktif Farmasötik Bileşenlerin, Metabolitlerinin ve Bozunma Ürünlerinin Karakterizasyonu Üzerine Çalışmalar**  
KARABURUN A. Ç.  
2017
- II. **Antiproliferative Activities of Some Biologically Important Scaffolds**  
KARABURUN A. Ç.  
2017
- III. **Kemik Metastazlarının Tedavisinde Etkili Nanopartikül Formülasyonlarının Geliştirilmesi, Optimizasyonu ve İn Vitro Değerlendirilmesi**  
KARABURUN A. Ç.  
2017
- IV. **Design and Synthesis of Diverse Pyrrole 2 carboxamides as Potent Antibacterial Agents**  
KARABURUN A. Ç.  
2016
- V. **Proje önerilerinin değerlendirme paneli**  
KARABURUN A. Ç.  
2015

## Supported Projects

KARABURUN A. Ç., GÜNDOĞDU KARABURUN N., Project Supported by Higher Education Institutions, Yeni Bazı Aril (5-nitrobenzofuran-2-il)ketoksimlerin Sentezlenmesi ve Antikandidal Etkilerinin Araştırılması, 2018 - Continues

KARABURUN A. Ç., Bazı benzofuranil aril keton oksimlerinin sentezleri ve antifungal aktivitelerinin araştırılması Anadolu Üniversitesi Bilimsel Araştırma Projesi Proje no 010337 2004, Continues

GÜNDOĞDU KARABURUN N., TUNALI Y., KARABURUN A. Ç., Bazı 2 heteroaril süstitüe benzofuran türevlerinin sentezleri ve antifungal etkilerinin incelenmesi, Continues

KARABURUN A. Ç., Bazı süstitüe auron veya auron analogu bileşiklerin sentezi ve antikanser etkilerinin araştırılması Anadolu Üniversitesi Bilimsel Araştırma Projesi Proje no 050301 2007, Continues

KARABURUN A. Ç., Bazı 6 aril 4 5 dihidro 3 2H piridazinon ve 1 2H ftalazinon türevlerinin sentezi yapılarının aydınlatılması ve antihipertansif etkilerinin araştırılması Anadolu Üniversitesi Bilimsel Araştırma Projesi Proje no 000319 2004, Continues

KARABURUN A. Ç., Bazı pirazino 1 2 a benzimidazol türevlerinin sentezi antikanser ve anti HIV etkilerinin araştırılması Anadolu Üniversitesi Araştırma Fonu Projesi Proje no 1997 12 1999, Continues

Gündoğdu-Karaburun N., Kaplancıklı Z. A., Karaburun A. Ç., Özkay Y., Yurttaş L., Ilgın S., Acar Çevik U., Sağlık B. N., Levent S., Osmaniye D., Project Supported by Higher Education Institutions, Monoamin Oksidaz İnhibitörleri Olarak Yeni Benzofuran-Tiyazolilhidrazon Türevlerinin Tasarımı, Sentezi ve Biyolojik Etki Çalışmaları, 2020 - 2022