

## Prof. ARZU KARAKURT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABH-9340-2020

Yoksis Researcher ID: 112389

### Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya , Turkey 1997 - 2004

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, Turkey 1994 - 1997

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 1988 - 1992

### Dissertations

Doctorate, 2-ASETİLNAFTALEN TÜREVİ YENİ BİLEŞİKLERİN SENTEZLERİ, ENANSİYOMER AYIRIMLARI, ANTİKONVÜLSAN VE ANTİMİKROBİYAL AKTİVİTELERİ ÜZERİNDE ÇALIŞMALAR , Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, 2004

Postgraduate, Antiepileptik, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, 1997

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

### Academic Titles / Tasks

Professor, Inonu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2020 - Continues

### Academic and Administrative Experience

Inonu University, Eczacılık Fakültesi, 2005 - Continues

### Courses

418 FARMASÖTİK KİMYA IV, Undergraduate, 2013-2014

303 Farmasötik Kimya I, Undergraduate, 2013-2014

206 Organik Kimya II, Undergraduate, 2013-2014

353 Farmasötik Kimya I Lab, Undergraduate, 2013-2014  
Yeni İlaçlar ve sentez yöntemleri, Undergraduate, 2013-2014  
225 Laboratuvar Güvenliği, Undergraduate, 2013-2014  
304 Farmasötik Kimya II, Undergraduate, 2013-2014  
ARAŞTIRMA PROJESİ DERSİ II, Undergraduate, 2013-2014  
453 Farmasötik Kimya III Lab, Undergraduate, 2013-2014  
Farmasötik Kimya için literatür tarama teknikleri, Undergraduate Minor, 2013-2014  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2013-2014  
Laboratuvarda güvenli çalışma, Undergraduate Minor, 2013-2014  
Araştırma Projesi dersi, Undergraduate, 2013-2014  
354 Farmasötik Kimya II Lab, Undergraduate, 2013-2014  
ARAŞTIRMA PROJESİ DERSİ II, Undergraduate, 2012-2013  
418 FARMASÖTİK KİMYA IV, Undergraduate, 2012-2013  
YENİ İLAÇLAR VE SENTEZ YÖNTEMLERİ, Undergraduate, 2012-2013  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2012-2013  
FARMASÖTİK KİMYA İÇİN LİTERATÜR TARAMA TEKNİKLERİ, Undergraduate Minor, 2012-2013  
206 ORGANİK KİMYA II, Undergraduate, 2012-2013  
303 FARMASÖTİK KİMYA I, Undergraduate, 2012-2013  
304 FARMASÖTİK KİMYA II, Undergraduate, 2012-2013  
ARAŞTIRMA PROJESİ DERSİ I, Undergraduate, 2012-2013  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2012-2013  
423 FARMASÖTİK KİMYA III, Undergraduate, 2012-2013  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2012-2013  
205 ORGANİK KİMYA I, Undergraduate, 2012-2013  
354 FARMASÖTİK KİMYA II LAB, Undergraduate, 2012-2013  
3827005132011 HETEROSİKLİK KİMYA, Undergraduate Minor, 2011-2012  
303 FARMASÖTİK KİMYA I, Undergraduate, 2011-2012  
222 ORGANİK KİMYA, Undergraduate, 2011-2012  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2011-2012  
EFK 611 YENİ İLAÇLAR VE SENTEZ YÖNTEMLERİ, Undergraduate Minor, 2011-2012  
3827005052011 İLERİ ORGANİK KİMYA, Undergraduate Minor, 2011-2012  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2011-2012  
3827005102011 ORGANİK KİMYADA İSİM REAKSİYONLARI, Undergraduate Minor, 2011-2012  
418 FARMASÖTİK KİMYA IV, Undergraduate, 2011-2012  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2011-2012  
418 FARMASÖTİK KİMYA IV, Undergraduate, 2011-2012  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2011-2012  
304 FARMASÖTİK KİMYA II, Undergraduate, 2011-2012  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2011-2012  
501 BİTİRME ÇALIŞMASI, Undergraduate, 2011-2012  
ORGANİK KİMYA REAKSİYON MEKANİZMALARI, Undergraduate Minor, 2011-2012  
ORGANİK KİMYADA İSİM REAKSİYONLARI, Undergraduate Minor, 2011-2012  
İZOMERİ VE AKTİVİTEDE ÖNEMİ, Undergraduate, 2010-2011  
423 FARMASÖTİK KİMYA III, Undergraduate, 2010-2011  
418 FARMASÖTİK KİMYA IV, Undergraduate, 2010-2011  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2010-2011  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2010-2011  
303 FARMASÖTİK KİMYA I, Undergraduate, 2010-2011  
304 FARMASÖTİK KİMYA II, Undergraduate, 2010-2011  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2010-2011  
563 İLAÇLARDA YAPI TAYİNİ, Undergraduate, 2010-2011

222 ORGANİK KİMYA, Undergraduate, 2010-2011  
501 BİTİRME ÇALIŞMASI, Undergraduate, 2010-2011  
354 FARMASÖTİK KİMYA II LAB, Undergraduate, 2010-2011  
303 FARMASÖTİK KİMYA I, Undergraduate, 2009-2010  
EFK 509 Kromatografik analizler, Undergraduate Double Major, 2009-2010  
354 FARMASÖTİK KİMYA II LAB, Undergraduate, 2009-2010  
EFK 501 Organik Kimya I, Undergraduate Double Major, 2009-2010  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2009-2010  
418 FARMASÖTİK KİMYA IV, Undergraduate, 2009-2010  
535 Spektroskopik yöntemler, Undergraduate, 2009-2010  
501 BİTİRME ÇALIŞMASI, Undergraduate, 2009-2010  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2009-2010  
304 FARMASÖTİK KİMYA II, Undergraduate, 2009-2010  
206 ORGANİK KİMYA II, Undergraduate, 2009-2010  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2009-2010  
205 ORGANİK KİMYA I, Undergraduate, 2009-2010  
EFK 501 Organik Kimya I, Undergraduate Double Major, 2008-2009  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2008-2009  
EFK 521Yeni ilaçlar ve sentez yöntemleri , Undergraduate Double Major, 2008-2009  
205 ORGANİK KİMYA I, Undergraduate, 2008-2009  
303 FARMASÖTİK KİMYA I, Undergraduate, 2008-2009  
205 ORGANİK KİMYA I, Undergraduate, 2008-2009  
EFK 503 Laboratuvarda güvenli çalışma, Undergraduate Double Major, 2008-2009  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2008-2009  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2007-2008  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2007-2008  
205 ORGANİK KİMYA I, Undergraduate, 2007-2008  
ARAŞTIRMA PROJESİ II, Undergraduate, 2007-2008  
ARAŞTIRMA PROJESİ I, Undergraduate, 2007-2008  
354 FARMASÖTİK KİMYA II LAB, Undergraduate, 2007-2008  
206 ORGANİK KİMYA II, Undergraduate, 2007-2008  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2007-2008  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2006-2007  
ARAŞTIRMA PROJESİ II, Undergraduate, 2006-2007  
ARAŞTIRMA PROJESİ I, Undergraduate, 2006-2007  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2006-2007  
354 FARMASÖTİK KİMYA II LAB, Undergraduate, 2006-2007  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2006-2007  
453 FARMASÖTİK KİMYA III LAB, Undergraduate, 2005-2006  
353 FARMASÖTİK KİMYA I LAB, Undergraduate, 2005-2006  
ARAŞTIRMA PROJESİ I, Undergraduate, 2005-2006  
ARAŞTIRMA PROJESİ II, Undergraduate, 2005-2006  
354 FARMASÖTİK KİMYA II LAB, Undergraduate, 2005-2006  
454 FARMASÖTİK KİMYA IV LAB, Undergraduate, 2005-2006

## Advising Theses

KARAKURT A., Yeni (Arilalkil)triazol Türevi Oksim Esterlerin Sentezleri, Antikonvulsan ve Antimikrobiyal Aktiviteleri, Postgraduate, S.SARI(Student), 2012

KARAKURT A., (Arilalkil)imidazol Türevi Yeni Bileşiklerin Sentezleri ve Antikonvulsan Aktiviteleri Üzerinde Çalışmalar,

Postgraduate, M.Abdullah(Student), 2011

KARAKURT A., Yeni (Arilalkil)pirazol Türevi Oksim Eterlerin Sentezleri, Antikonvulsan ve Antimikrobiyal Aktiviteleri, Postgraduate, Z.ÖZDEMİR(Student), 2010

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

- I. **Histological assessment of liver and stomach damage caused by pyridazinone derivative antidepressant agents**  
ÖZDEMİR Z., KARAKURT A., TAŞLIDERE E., VARDI N., ALAGÖZ M. A., PARLAKPINAR H., USLU H., GÖZÜKARA BAĞ H. G.  
BIOTECHNIC & HISTOCHEMISTRY, vol.97, no.5, pp.355-362, 2022 (SCI-Expanded)
- II. **Antifungal Azole Derivatives Featuring Naphthalene Prove Potent and Competitive Cholinesterase Inhibitors with Potential CNS Penetration According to the in Vitro and in Silico Studies**  
SARI S., AKKAYA D., ZENGİN M., SABUNCUOĞLU S., ÖZDEMİR Z., ALAGÖZ M. A., KARAKURT A., BARUT B.  
CHEMISTRY & BIODIVERSITY, vol.19, no.7, 2022 (SCI-Expanded)
- III. **Conventional and microwave prompted synthesis of aryl(alkyl)azole oximes, 1H-NMR spectroscopic determination of E/Z isomer ratio and HOMO-LUMO analysis**  
Bozbey I., Uslu H., Türkmenoğlu B., Özdemir Z., Karakurt A., Levent S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1251, pp.1-12, 2022 (SCI-Expanded)
- IV. **Azoles containing naphthalene with activity against Gram-positive bacteria: in vitro studies and in silico predictions for flavohemoglobin inhibition**  
SARI S., SABUNCUOĞLU S., KOÇAK ASLAN E., AVCI A., KART D., ÖZDEMİR Z., Acar M. F., Sayoglu B., ALAGÖZ M. A., KARAKURT A., et al.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.20, pp.10220-10229, 2022 (SCI-Expanded)
- V. **Synthesis of New 1-Aryl-2-(3,5-dimethylpyrazol-1-yl)ethanone Oxime Ether Derivatives and Investigation of Their Cytotoxic Effects**  
ALAGÖZ M. A., KARAKURT A., Hepokur C., ŞALVA E., Onkol T., Ghoneim M. M., Abdelgawad M. A., Khames A., Kim H., Mathew B.  
PROCESSES, vol.9, no.11, 2021 (SCI-Expanded)
- VI. **Azole derivatives with naphthalene showing potent antifungal effects against planktonic and biofilm forms of Candida spp.: an in vitro and in silico study**  
SARI S., Kocak E., KART D., ÖZDEMİR Z., Acar M. F., Sayoglu B., KARAKURT A., DALKARA S.  
INTERNATIONAL MICROBIOLOGY, vol.24, no.1, pp.93-102, 2021 (SCI-Expanded)
- VII. **Antibacterial azole derivatives: Antibacterial activity, cytotoxicity, and in silico mechanistic studies**  
SARI S., AVCI A., Kocak E., KART D., SABUNCUOĞLU S., DOĞAN İ. S., ÖZDEMİR Z., BOZBEY İ., KARAKURT A., Sarac S., et al.  
DRUG DEVELOPMENT RESEARCH, vol.81, no.8, pp.1026-1036, 2020 (SCI-Expanded)
- VIII. **Synthesis, molecular modelling and biological activity of some pyridazinone derivatives as selective human monoamine oxidase-B inhibitors**  
ÖZDEMİR Z., Alagoz M. A., Uslu H., KARAKURT A., Erikci A., Ucar G., UYSAL M.  
PHARMACOLOGICAL REPORTS, vol.72, no.3, pp.692-704, 2020 (SCI-Expanded)
- IX. **p-Trifluoroacetophenone Oxime Ester Derivatives: Synthesis, Antimicrobial and Cytotoxic Evaluation and Molecular Modeling Studies**  
Bozbey I., SARI S., ŞALVA E., KART D., KARAKURT A.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.17, no.2, pp.169-183, 2020 (SCI-Expanded)
- X. **Discovery of new azoles with potent activity against Candida spp. and Candida albicans biofilms through virtual screening**  
SARI S., KART D., Ozturk N., KAYNAK F. B., Gencel M., TAŞKOR ÖNEL G., KARAKURT A., Sarac S., Essiz S., DALKARA S.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.179, pp.634-648, 2019 (SCI-Expanded)
- XI. **Antifungal screening and in silico mechanistic studies of an in-house azole library**

SARI S., KART D., SABUNCUOĞLU S., DOĞAN İ. S., ÖZDEMİR Z., BOZBEY İ., Gencil M., EŞSİZ GÖKHAN Ş., Reynisson J., KARAKURT A., et al

CHEMICAL BIOLOGY & DRUG DESIGN, vol.94, no.5, pp.1944-1955, 2019 (SCI-Expanded)

- XII. **Synthesis and cytotoxicity studies on new pyrazole-containing oxime ester derivatives**  
KARAKURT A., Bozbey I., USLU H., SARI S., ÖZDEMİR Z., ŞALVA E.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.18, no.6, pp.1315-1322, 2019 (SCI-Expanded)
- XIII. **Synthesis, anticonvulsant screening, and molecular modeling studies of new arylalkylimidazole oxime ether derivatives**  
ÖZDEMİR Z., SARI S., KARAKURT A., DALKARA S.  
DRUG DEVELOPMENT RESEARCH, vol.80, no.2, pp.269-280, 2019 (SCI-Expanded)
- XIV. **Synthesis, anticonvulsant activity, and molecular modeling studies of novel 1-phenyl/1-(4-chlorophenyl)-2-(1H-triazol-1-yl)ethanol ester derivatives**  
DOĞAN İ. S., ÖZDEMİR Z., SARI S., BOZBEY İ., KARAKURT A., Sarac S.  
MEDICINAL CHEMISTRY RESEARCH, vol.27, no.9, pp.2171-2186, 2018 (SCI-Expanded)
- XV. **Design, synthesis, and molecular modeling of new 3(2H)-pyridazinone derivatives as acetylcholinesterase/butyrylcholinesterase inhibitors**  
ÖZDEMİR Z., Yılmaz H., SARI S., KARAKURT A., ŞENOL F. S., UYSAL M.  
MEDICINAL CHEMISTRY RESEARCH, vol.26, no.10, pp.2293-2308, 2017 (SCI-Expanded)
- XVI. **New Anti-Seizure (Arylalkyl)azole Derivatives: Synthesis, In Vivo and In Silico Studies**  
SARI S., DALKARA S., KAYNAK F. B., Reynisson J., Sarac S., KARAKURT A.  
ARCHIV DER PHARMAZIE, vol.350, no.6, 2017 (SCI-Expanded)
- XVII. **New (arylalkyl)azole derivatives showing anticonvulsant effects could have VGSC and/or GABA(A)R affinity according to molecular modeling studies**  
SARI S., KARAKURT A., USLU H., KAYNAK F. B., Calis U., DALKARA S.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.124, pp.407-416, 2016 (SCI-Expanded)
- XVIII. **Coumarin or benzoxazinone based novel carbonic anhydrase inhibitors: synthesis, molecular docking and anticonvulsant studies**  
KARATAŞ M. O., USLU H., SARI S., ALAGOZ M. A., KARAKURT A., ALICI B., Bilen C., Yavuz E., Gencer N., Arslan O.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.5, pp.760-772, 2016 (SCI-Expanded)
- XIX. **Synthesis, Anticonvulsant and Antimicrobial Activities of Some New [1-(2-Naphthyl)-2-(pyrazol-1-yl)ethanone]oxime Ethers**  
ÖZDEMİR Z., KARAKURT A., Calis U., GÜNAL S., Isik S., Sahin Z. S., DALKARA S.  
MEDICINAL CHEMISTRY, vol.11, no.1, pp.41-49, 2015 (SCI-Expanded)
- XX. **Evaluation of the Effects of Novel Nafimidone Derivatives on Thermal Hypoalgesia in Mice with Diabetic Neuropathy**  
KAMIŞLI S., KARAKURT A., UYUMLU A. B., SATILMIŞ B., Alagoz A., GENÇ M. F., BATÇIOĞLU K.  
BALKAN MEDICAL JOURNAL, vol.30, no.1, pp.94-98, 2013 (SCI-Expanded)
- XXI. **Synthesis of some novel 1-(2-naphthyl)-2-(imidazol-1-yl)ethanone oxime ester derivatives and evaluation of their anticonvulsant activity**  
KARAKURT A., ALAGOZ M. A., Sayoglu B., Calis U., DALKARA S.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.57, pp.275-282, 2012 (SCI-Expanded)
- XXII. **Enantioseparation of Some New 1-(2-Naphthyl)-1-ethanol Ester Derivatives by HPLC on Chiralcel OD**  
Karakurt A., SARAÇ Ş., DALKARA S.  
CHROMATOGRAPHIA, vol.75, pp.1191-1197, 2012 (SCI-Expanded)
- XXIII. **Recent Progress in Anticonvulsant Drug Research: Strategies for Anticonvulsant Drug Development and Applications of Antiepileptic Drugs for Non-Epileptic Central Nervous System Disorders**  
DALKARA S., KARAKURT A.  
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.12, no.9, pp.1033-1071, 2012 (SCI-Expanded)
- XXIV. **Comparison of stereochemical structures of cholesterol from different sources by HPLC Farklı kaynaklardan elde edilen kolesterolün stereokimyasal yapılarının HPLC ile karşılaştırılması**  
SATILMIŞ B., GÜLDÜR T., KARAKURT A., BÜYÜKTUNCEL E., Ertan M.

- Marmara Pharmaceutical Journal, vol.16, no.3, pp.201-205, 2012 (SCI-Expanded)
- XXV. **An X-ray and DFT Computational Study on 1-(Naphthalene-2-yl)-2-(1H-pyrazol-1-yl) ethanone O-butyl Oxime**  
Sahin Z. S., ÖZDEMİR Z., KARAKURT A., Isik S.  
CHINESE JOURNAL OF STRUCTURAL CHEMISTRY, vol.31, no.2, pp.262-270, 2012 (SCI-Expanded)
- XXVI. **Synthesis, anticonvulsant and antimicrobial activities of some new 2-acetylnaphthalene derivatives**  
Karakurt A., Ozalp M., Isik S., Stables J. P., DALKARA S.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.18, no.8, pp.2902-2911, 2010 (SCI-Expanded)
- XXVII. **CARDIOPROTECTIVE AND ANTIOXIDANT ACTIVITY OF BLUEBERRY ANTHOCYANINE AND POLYPHENOLS IN RATS**  
KARAKURT C., GURSOY S., ALAGOZ M. A., KARAKURT A., AKTAYS G., KOCAK G.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.167-168, 2009 (SCI-Expanded)
- XXVIII. **SYNTHESIS OF SOME 1-(2-NAPHTHYL)-2-(PYRAZOL-1-YL)ETHANONE OXIME ETHER DERIVATIVES AND THEIR ANTICONVULSANT ACTIVITIES**  
Bulut Z., KARAKURT A., CALIS U., DALKARA S.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.206-207, 2009 (SCI-Expanded)
- XXIX. **Synthesis of some oxime ether derivatives of 1-(2-naphthyl)-2-(1,2,4-triazol-1-yl)ethanone and their anticonvulsant and antimicrobial activities**  
Karakurt A., AYTEMİR M. D., Stables J. P., OZALP M., KAYNAK F. B., OZBEY S., DALKARA S.  
ARCHIV DER PHARMAZIE, vol.339, no.9, pp.513-520, 2006 (SCI-Expanded)
- XXX. **2-bromo-1-(1-hydroxynaphthalen-2-yl)ethanone**  
KOYSAL Y., ISIK S., Karakurt A., DALKARA S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXI. **2-(Imidazol-1-yl)-1-(2-naphthyl)ethanone O-propyloxime hydrochloride**  
OZBEY S., KENDI E., Karakurt A., DALKARA S.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)
- XXXII. **Synthesis of some 1-(2-naphthyl)-2-(imidazole-1-yl)ethanone oxime and oxime ether derivatives and their anticonvulsant and antimicrobial activities**  
Karakurt A., DALKARA S., OZALP M., OZBEY S., KENDI E., STABLES J.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.36, no.5, pp.421-433, 2001 (SCI-Expanded)
- XXXIII. **2-(imidazol-1-yl)-1-(2-naphthyl)ethanone oxime**  
KENDI E., OZBEY S., Karakurt A., DALKARA S.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.54, pp.1513-1515, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Enantioseparation of 2-(1H-imidazol-1-yl)-1-(naphthalen-2-yl)ethan-1-ol which is active metabolite of anticonvulsant nafimidone**  
Karaca Karadoğan E., ÖZDEMİR Z., ZENİ Y. N., KARAKURT A.  
Anatolian Journal of Pharmaceutical Sciences, vol.2, no.1, pp.85-95, 2023 (Peer-Reviewed Journal)
- II. **Cytotoxic effect of azole compounds bearing trifluorophenyl ring on MCF-7, MDA-MB-231, and HCT-116 cancer cell line**  
ALAGÖZ M. A., ÖZDEMİR Z., HEPOKUR C., KARAKURT A.  
Medicine Science, vol.11, no.3, pp.1212-1216, 2022 (Peer-Reviewed Journal)
- III. **İlaç Metabolizması ve Farmasötik Kimyada Önemi Drug Metabolism and Its Importance in Pharmaceutical Chemistry**  
ÖZDEMİR Z., KARAKURT A.  
İnönü Üniversitesi Sağlık Bilimleri Dergisi, vol.5, no.2, pp.35-46, 2016 (Peer-Reviewed Journal)
- IV. **Synthesis and Analgesic, Antiinflammatory and Antimicrobial Evaluation of 6-Substituted-**

### **3(2H)Pyridazinone-2-acetyl-2- (Substituted Benzal) Hydrazone Derivatives**

ÖZDEMİR Z., GÖKÇE M., KARAKURT A.

FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.37, pp.111-122, 2014 (Scopus)

- V. **Synthesis and analgesic, antiinflammatory and antimicrobial evaluation of 6-substituted-3(2H)-pyridazinone-2-acetyl-2- (substituted benzal) hydrazone derivatives**  
ÖZDEMİR Z., Gökçe M., KARAKURT A.  
Fabad Journal of Pharmaceutical Sciences, vol.37, no.2, pp.111-122, 2012 (Scopus)
- VI. **Oximes and oxime ethers: I. Synthesis and pharmacological properties Oksim ve oksim eterler: I. Sentezleri ve farmakolojik özellikleri**  
Karakurt A., DALKARA S.  
Fabad Journal of Pharmaceutical Sciences, vol.24, no.3, pp.143-156, 1999 (Scopus)
- VII. **Oximes and oxime ethers: II. Chemical and spectral properties Oksim ve oksim eterler: II. Kimyasal ve spektral özellikleri**  
Karakurt A., DALKARA S.  
Fabad Journal of Pharmaceutical Sciences, vol.24, no.3, pp.157-169, 1999 (Scopus)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **IN VITRO ANTICANCER ACTIVITY OF NEW NAPHTHYL ETHANONE OXIME ESTER DERIVATIVES BEARING PYRAZOLE MOIETY**  
BOZBEY İ., USLU H., ŞALVA E., KARAKURT A.  
12th International Symposium on Pharmaceutical Sciences, ISOPS-12, Ankara, Turkey, 26 - 29 June 2018, pp.380
- II. **MOLECULAR DOCKING STUDIES ON NEW 1-(4-TRIFLUOROMETHYL)PHENYL-2-(1H-IMIDAZOL-1-YL)ETHANONE OXIME ESTER COMPOUNDS**  
BOZBEY İ., USLU H., KARAKURT A.  
12th International Symposium on Pharmaceutical Sciences, ISOPS-12, Ankara, Turkey, 26 - 29 June 2018, pp.354-355
- III. **MOLECULAR MODELLING OF THE ANTICONVULSANT ACTIVITY OF 1-PHENYL/1-(4-CHLOROPHENYL)-2-(1H-1,2,4-TRIAZOL-1-YL)ETHANOL ESTERS**  
SARI S., DOĞAN İ. S., ÖZDEMİR Z., Bozbey İ., KARAKURT A., SARAÇ TARHAN S.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018
- IV. **Non-selective COX-1/COX-2 Inhibition of 3(2H)-Pyridazinone Derivatives: A Molecular Modelling Study**  
SARI S., ÖZDEMİR Z., KARAKURT A., UYSAL M.  
5th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 October 2017
- V. **COMPARATIVE STUDY OF MICROWAVE-ASSISTED AND CONVENTIONAL SYNTHESIS OF SOME ARYL ETHANONE OXIME DERIVATIVES BEARING IMIDAZOLE AND PYRAZOLE MOIETIES AND DETERMINATION OF THE E/Z ISOMER RATIOS**  
USLU H., Bozbey İ., LEVENT S., ÖZDEMİR Z., KARAKURT A.  
2 nd International Gazi Pharma Symposium, Ankara, Turkey, 11 - 13 October 2017
- VI. **COMPARATIVE STUDY OF MICROWAVE-ASSISTED AND CONVENTIONAL SYNTHESIS OF SOME ARYL ETHANONE OXIME DERIVATIVES BEARING IMIDAZOLE AND PYRAZOLE MOIETIES AND DETERMINATION OF THE E/Z ISOMER RATIOS**  
USLU H., BOZBEY İ., LEVENT S., ÖZDEMİR Z., KARAKURT A.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Turkey, 11 - 13 October 2017
- VII. **DETERMINATION OF ACHE/BCHE INHIBITORY ACTIVITY OF SOME NEW SYNTHESIZED 3(2H)-PYRIDAZINONE DERIVATIVES WITH PROTEIN-LIGAND DOCKING APPROACH AND QSAR METHODS**  
YILMAZ H., ÖZDEMİR Z., KARAKURT A., ŞENOL F. S., UYSAL M.  
2nd Gazi Pharma Symposium, Ankara, Turkey, 11 - 13 October 2017
- VIII. **Synthesis and Evaluation of Antidepressant Activity of Some Novel Naphtyl Etanone Oxime Ester**

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Bozbey İ., USLU H., ÖZDEMİR Z., KARAKURT A.

3 rd International Multidisciplinary Symposium on Drug Research and Development, Erzurum, Turkey, 5 - 07 October 2017

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BOZBEY İ., USLU H., ÖZDEMİR Z., KARAKURT A.  
3rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Erzurum, Turkey, 5 - 07 October 2017
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Bozbey İ., ÖZDEMİR Z., SARI S., KART D., KARAKURT A., SARAÇ TARHAN S., DALKARA S.  
3rd International Multidisciplinary Symposium on Drug Research and Development (DRD 2017), Erzurum, Turkey, 5 - 07 October 2017
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AAPS 2016, 13 - 17 November 2016
- XIII. **DETERMINATION OF pKa VALUES OF ANTICONVULSANT NAFIMIDONE OXIME O PROPYL ETHER**  
AKGEYİK E., ÖZDEMİR Z., ATEŞ M., KAYNAK M. S., ÇELEBİER M., ALTINÖZ S., ŞAHİN S., KARAKURT A.  
2016 AAPS Annual Meeting and Exposition, Denver, United States Of America, 13 - 17 November 2016
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4th International BAU-Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
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16. Ulusal Kromatografi Kongresi, Malatya, Turkey, 31 August - 02 September 2016, pp.51
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ÖZDEMİR Z., UYSAL M., KARAKURT A., ŞENOL F. S., ÖZÇELİK B.  
IV. FARMASÖTİK KİMYA KONGRESİ, Girne, Cyprus (Kkct), 29 April - 01 May 2016
- XVII. **Synthesis and antidepressant activity of new imidazole derivatives**  
USLU H., PARLAKPINAR H., ÖZDEMİR Z., KARAKURT A.  
International Multidisciplinary Symposium on Drug Research and Development, 15 - 17 October 2015
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USLU H., Bozbey İ., ÖZDEMİR Z., KARAKURT A.  
XIV. Spektroskopi Kongresi, Turkey, 29 - 31 May 2015
- XXIII. **1-(Naftalen-2-İL)-2-(1H-Pirazol-1-İL) Etanon Oksim Bileşiğinin Konvansiyonel Ve Mikrodalga Sentez Yöntemlerinin Karşılaştırılması Ve Spektral Analiz Yöntemleriyle Yapısının Aydınlatılması**  
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XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015, pp.171
- XXIV. **1-(Naftalen-2-İL)-2-(1H-Pirazol-1-İL) Etanon Oksim Bileşiğinin Konvansiyonel Ve Mikrodalga Sentez Yöntemlerinin Karşılaştırılması Ve Spektral Analiz Yöntemleriyle Yapısının Aydınlatılması**  
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International Multidisciplinary Symposium on Drug Research Development, 28 - 30 November 2013
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ÖZDEMİR Z., UYSAL M., USLU H., KARAKURT A., ATEŞ B., PARLAKPINAR H.  
International Multidisciplinary Symposium on Drug Research Development, 28 - 30 November 2013
- XXVIII. **Synthesis of some new 6-substituted-3(2H)-pyridazinone-2-acetohydrazide derivatives and their antidepressant activity**  
ÖZDEMİR Z., GÖKÇE M., USLU H., KARAKURT A., ATEŞ B., PARLAKPINAR H.  
International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 October 2013, pp.89
- XXIX. **Synthesis of some new 6-substituted-3(2H)-pyridazinone-2-acetohydrazide derivatives and their antidepressant activity**  
ÖZDEMİR Z., GÖKÇE M., USLU H., KARAKURT A., ATEŞ B., PARLAKPINAR H.  
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ÖZDEMİR Z., GÖKÇE M., USLU H., KARAKURT A., ATEŞ B., PARLAKPINAR H.  
International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 October 2013, pp.89
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ÖZDEMİR Z., GÖKÇE M., USLU H., KARAKURT A., ATEŞ B., PARLAKPINAR H.  
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International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 October 2013, pp.90
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ÖZDEMİR Z., USLU H., KARAKURT A., GÜNAL S., DALKARA S.  
International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 October 2013, pp.90
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ÖZDEMİR Z., USLU H., KARAKURT A., GÜNAL S., DALKARA S.  
International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 October 2013, pp.90
- XXXVII. **Synthesis and anticonvulsant activities of ionic coumarin derivatives**  
KARATAŞ M. O., ALAGÖZ M., KARAKURT A., ALICI B.  
44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013
- XXXVIII. **SYNTHESIS OF SOME NEW NAFIMIDONE OXIME ETHER DERIVATIVES AND EVALUATION OF THEIR**  
ÖZDEMİR Z., KARAKURT A., ÇALIŞ Ü., GÜNAL S., DALKARA S.  
3. Ulusal Farmasötik Kimya Kongresi, Malatya, Turkey, 14 - 16 September 2012
- XXXIX. **Synthesis and Antimicrobial Evaluation of 6-Substituted-3(2H)- pyridazinone-2-acetyl-2-substituted benzal hydrazone Derivatives**  
ÖZDEMİR Z., KARAKURT A., UYSAL M., ÖZÇELİK B.  
10th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2012
- XL. **Synthesis of Some New Nafimidone Oxime Ether Derivatives and Evulation of Their Anticonvulsant Activities**  
ÖZDEMİR Z., KARAKURT A., DALKARA S.  
10th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2012
- XLI. **Antimicrobial activities of some 1-(2 naphthyl)-(2-pyrazol-1-yl) ethanone oxime ether derivatives**  
ÖZDEMİR Z., KARAKURT A., GÜNAL S., DALKARA S.  
IMMPC-ISPC Joint Meeting, 30 September - 02 October 2010
- XLII. **Synthesis of some 1-(2-naphthyl)-2-(pyrazol-1-yl)ethanone oxime ether derivatives and their anticonvulsant activities**  
ÖZDEMİR Z., KARAKURT A., ÇALIŞ Ü., DALKARA S.  
3rd BBBB-Bosphorus International Conference on Pharmaceutical Sciences, Antalya, Turkey, 26 - 28 October 2009, pp.206-207
- XLIII. **Synthesis and structural elucidation of chloroacetyl derivatives of 1-(2-naphthyl)-2-(imidazole-1-yl)ethanol and 1-(2-naphthyl)-2-(imidazol/triazol-1-yl)ethanone oxime**  
ÖZDEMİR Z., Alagöz M. A., Doğan İ. S., KARAKURT A., Saraç S.  
International Symposium on Drug Research & Development "From Chemistry to Medicine"& Educational Fair on "GLP and Laboratory Safety: New Approaches", Ankara, Turkey, 4 - 07 May 2009, pp.120

## Supported Projects

BÜYÜKTUNCEL S. E., KARAKURT A., Project Supported by Higher Education Institutions, International Multidisciplinary Symposium on Drug Research and Development DRD 2019, 2019 - 2019

KARAKURT A., PARLAKPINAR H., ÖZDEMİR Z., BOZBEY İ., USLU H., Project Supported by Higher Education Institutions, Yeni (Arilalkil)pirazol Türevi Oksim Esterlerin Sentezleri, Antidepresan, Analjezik-Antienflamatuvar ve Antimikrobiyal Aktiviteleri, 2018 - 2019

Karakurt A., Saraç Tarhan S., TUBITAK Project, Potansiyel Antifungal ve Antikonvülsan Etkili Yeni Azol Bileşikleri: Moleküler Modelleme, Sentez ve Biyolojik Aktivite Çalışmaları, 2015 - 2019

KARAKURT A., DOĞRUER D. S., BOZBEY İ., Project Supported by Higher Education Institutions, Flouro Asetofenon Oksim Ester Türevlerinin Sentezi ve Biyolojik Aktiviteleri Üzerindeki Çalışmalar, 2017 - 2018

KARAKURT A., TUBITAK Project, 1-Fenil/1-(4-Klorofenil)-2-(1H-imidazol-1-il)etanon Oksim Esterlerinin Sentezi, Antikonvülsan ve Antimikrobiyal Aktiviteleri, 2013 - 2015

Karakurt A., TUBITAK Project, Yeni Nafimidon Oksim Ester ve Eter Türevi Bileşiklerin Sentezleri ve Antikonvülsan Aktiviteleri, 2010 - 2011

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