

## Prof. Dr. ARZU KARAKURT

### Kişisel Bilgiler

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ScopusID: 6602307926

Yoksis Araştırmacı ID: 112389

### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya , Türkiye 1997 - 2004

Yüksek Lisans, İnönü Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, Türkiye 1994 - 1997

Lisans, Hacettepe Üniversitesi, Eczacılık Fakültesi, Türkiye 1988 - 1992

### Yaptığı Tezler

Doktora, 2-ASETİLNAFTELEN TÜREVİ YENİ BİLEŞİKLERİN SENTEZLERİ, ENANSİYOMER AYIRIMLARI, ANTİKONVÜLSAN VE ANTİMİKROBİYAL AKTİVİTELERİ ÜZERİNDE ÇALIŞMALAR , Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, 2004

Yüksek Lisans, Antiepileptik, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya, 1997

### Akademik Unvanlar / Görevler

Prof. Dr., İnönü Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2020 - Devam Ediyor

### Akademik İdari Deneyim

İnönü Üniversitesi, Eczacılık Fakültesi, 2005 - Devam Ediyor

### Verdiği Dersler

418 FARMASÖTİK KİMYA IV, Lisans, 2013-2014

303 Farmasötik Kimya I, Lisans, 2013-2014

206 Organik Kimya II, Lisans, 2013-2014

353 Farmasötik Kimya I Lab, Lisans, 2013-2014

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453 Farmasötik Kimya III Lab, Lisans, 2013-2014

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454 FARMASÖTİK KİMYA IV LAB, Lisans, 2013-2014  
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## Yönetilen Tezler

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BIOTECHNIC & HISTOCHEMISTRY, cilt.97, sa.5, ss.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**  
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- III. **Conventional and microwave prompted synthesis of aryl(alkyl)azole oximes, 1H-NMR spectroscopic determination of E/Z isomer ratio and HOMO-LUMO analysis**  
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- IV. **Azoles containing naphthalene with activity against Gram-positive bacteria: in vitro studies and in silico predictions for flavohemoglobin inhibition**  
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- 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.  
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- 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.  
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- VII. **Antibacterial azole derivatives: Antibacterial activity, cytotoxicity, and in silico mechanistic studies**  
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- VIII. **p-Trifluoroacetophenone Oxime Ester Derivatives: Synthesis, Antimicrobial and Cytotoxic Evaluation and Molecular Modeling Studies**  
Bozbey I., SARI S., ŞALVA E., KART D., KARAKURT A.  
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- IX. **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.  
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- X. **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., Gencel M., EŞSİZ GÖKHAN Ş., Reynisson J., KARAKURT A., et al.  
CHEMICAL BIOLOGY & DRUG DESIGN, cilt.94, sa.5, ss.1944-1955, 2019 (SCI-Expanded)
- XI. **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, cilt.18, sa.6, ss.1315-1322, 2019 (SCI-Expanded)
- XII. **Synthesis, anticonvulsant screening, and molecular modeling studies of new arylalkylimidazole oxime ether derivatives**  
ÖZDEMİR Z., SARI S., KARAKURT A., DALKARA S.

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- XIII. **Synthesis, anticonvulsant activity, and molecular modeling studies of novel 1-phenyl/1-(4-chlorophenyl)-2-(1H-triazol-1-yl)ethanol ester derivatives**  
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- XIV. **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.  
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- XV. **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.  
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- XVI. **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.  
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- XVII. **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.  
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- XVIII. **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, cilt.11, sa.1, ss.41-49, 2015 (SCI-Expanded)
- XIX. **Evaluation of the Effects of Novel Nafimidone Derivatives on Thermal Hypoalgesia in Mice with Diabetic Neuropathy**  
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- XX. **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.  
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- XXI. **Enantioseparation of Some New 1-(2-Naphthyl)-1-ethanol Ester Derivatives by HPLC on Chiralcel OD**  
Karakurt A., SARAÇ Ş., DALKARA S.  
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- XXII. **Recent Progress in Anticonvulsant Drug Research: Strategies for Anticonvulsant Drug Development and Applications of Antiepileptic Drugs for Non-Epileptic Central Nervous System Disorders**  
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- XXIII. **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, cilt.16, sa.3, ss.201-205, 2012 (SCI-Expanded)
- XXIV. **An X-ray and DFT Computational Study on 1-(Naphthalene-2-yl)-2-(1H-pyrazol-1-yl) ethanone O-butyl Oxime**  
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- XXV. **Synthesis, anticonvulsant and antimicrobial activities of some new 2-acetylnaphthalene derivatives**  
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- XXVI. **CARDIOPROTECTIVE AND ANTIOXI DAN ACTIVITY OF BLUEBERRY ANTHOCYANINE AND**

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XXVII. **SYNTHESIS OF SOME 1-(2-NAPHTHYL)-2-(PYRAZOL-1-YL)ETHANONE OXIME ETHER DERIVATIVES AND THEIR ANTICONVULSANT ACTIVITIES**

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XXX. **2-(Imidazol-1-yl)-1-(2-naphthyl)ethanone O-propyloxime hydrochloride**

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- V. **Synthesis and analgesic, antiinflammatory and antimicrobial evaluation of 6-substituted-3(2H)-pyridazinone-2-acetyl-2- (substituted benzal) hydrazone derivatives**  
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## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **IN VITRO ANTICANCER ACTIVITY OF NEW NAPHTHYL ETHANONE OXIME ESTER DERIVATIVES BEARING PYRAZOLE MOIETY**  
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- II. **MOLECULAR DOCKING STUDIES ON NEW 1-(4-TRIFLUOROMETHYL)PHENYL-2-(1H-IMIDAZOL-1-YL)ETHANONE OXIME ESTER COMPOUNDS**  
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- IV. **Non-selective COX-1/COX-2 Inhibition of 3(2H)-Pyridazinone Derivatives: A Molecular Modelling Study**  
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- X. **Synthesis of Some New 1-Phenyl/1-(4-chlorophenyl)-2-(1H-triazole-1yl)ethanol Ester Derivatives and Evaluation of Their Anticonvulsant and Antimicrobial Activities**  
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- XI. **Synthesis, Biological Activity, and Molecular Modelling Studies on New Oxime Ether Compounds Bearing Imidazole Ring**  
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- XII. **Determination of pKa Value of Anticonvulsant Nafimidone Oxime O Propyl Ether**  
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- XIII. **DETERMINATION OF pKa VALUES OF ANTICONVULSANT NAFIMIDONE OXIME O PROPYL ETHER**  
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- XIV. **Fungal CYP51 Inhibition by 3(2H)-Pyridazinone Derivatives and the Importance of Coordination with Heme Iron A Molecular Modeling Study**  
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- XV. **Kiral HPLC ile Rasemik Karışımların Enansiyomerlerine Ayırımı**  
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16. Ulusal Kromatografi Kongresi, Malatya, Türkiye, 31 Ağustos - 02 Eylül 2016, ss.51
- XVI. **6-SÜBSTİTÜE 3(2H)-PİRİDAZİNON 2-ASETİL-2-SÜBSTİTÜEBENZALHİDRAZON TÜREVLERİNİN SENTEZLERİ VE BİYOLOJİK AKTİVİTELERİ**  
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- XVII. **Synthesis and antidepressant activity of new imidazole derivatives**  
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- XXVII. **Synthesis of some new 6-substituted-3(2H)-pyridazinone-2-acetohydrazide derivatives and their antidepressant activity**  
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## **Desteklenen Projeler**

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## **Metrikler**

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