

Assoc. Prof. ZEYNEP ÖZDEMİR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAJ-6384-2020

ScopusID: 57213636835

Yoksis Researcher ID: 38388

Education Information

Doctorate, Inonu University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya Anabilim Dalı, Turkey 2010 - 2014

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya Anabilim Dalı, Turkey 2007 - 2010

Undergraduate, Inonu University, Eczacılık Fakültesi, Turkey 2003 - 2007

Certificates, Courses and Trainings

Education Management and Planning, MARSEV Sağlık Profesyonele Eğitiminde Ölçme ve Değerlendirme Kursu, Marmara Sağlık Eğitim ve Araştırma Vakfı, 2021

IT, İlaç Araştırmalarında Uygulamalı Moleküler Modelleme ve Simülasyon Teknikleri Kursu, Hacettepe Üniversitesi, 2013

Health&Medicine, Deney Hayvanları Kullanım Sertifikası, İnönü Üniversitesi Deney Hayvanları Üretim ve Araştırma Merkezi, 2009

Research Areas

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

Academic Titles / Tasks

Associate Professor, Inonu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2021 - Continues

Assistant Professor, Inonu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2018 - 2021

Assistant Professor, Inonu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2014 - 2018

Research Assistant, Inonu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2007 - 2014

Academic and Administrative Experience

Head of Department, Inonu University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2014 - 2020

Courses

Meslek Etiđi, Undergraduate, 2023-2024
İlaç Metabolizması, Undergraduate Double Major, 2023-2024
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2023-2024
Farmasötik Kimya I, Undergraduate, 2023-2024
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2023-2024
İlaçlarda Kromatografik Analizler, Undergraduate Double Major, 2023-2024
İlaç Analizlerinde Kullanılan Yöntemler, Undergraduate Double Major, 2023-2024
İlaçlarda Kromatografik Analizler, Postgraduate, 2023 - 2024
İlaç Metabolizması, Undergraduate Double Major, 2022-2023
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2022-2023
Farmasötik Kimya II, Undergraduate, 2022-2023
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2022-2023
Farmasötik Kimya I, Undergraduate, 2022-2023
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2022-2023
Organik Kimyada İsim Reaksiyonları, Undergraduate Double Major, 2022-2023
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2022-2023
Farmasötik Kimyada Organik Sentetik Strateji, Undergraduate Minor, 2022-2023
İlaç Yapı Analizlerinde Spektral Teknikler, Undergraduate Double Major, 2021-2022
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2021-2022
Farmasötik Kimya II, Undergraduate, 2021-2022
Farmasötik Kimya III Laboratuvarı, Undergraduate, 2021-2022
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2021-2022
Biyofarmasi, Undergraduate, 2021-2022
İlaç Metabolizması, Undergraduate Double Major, 2021-2022
Organik Kimya I, Undergraduate Double Major, 2021-2022
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2021-2022
Farmasötik Kimya I, Undergraduate, 2021-2022
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2021-2022
Stereokimya ve Konformasyonel Analiz, Undergraduate Double Major, 2021-2022
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2020-2021
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2020-2021
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2020-2021
Farmasötik ve Biyofarmasötik Analizlerde Kullanılan Spektral Yöntemler II: Spektroskopik Yöntemler, Undergraduate Double Major, 2020-2021
Organik Kimya II, Undergraduate, 2020-2021
Biyofarmasi, Undergraduate, 2020-2021
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2020-2021
Farmasötik Kimya I, Undergraduate, 2020-2021
Farmasötik Kimya I, Undergraduate, 2019-2020
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2019-2020
Biyofarmasi, Undergraduate, 2019-2020
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2019-2020
Farmasötik Kimya IV Laboratuvarı, Undergraduate, 2019-2020
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2019-2020
Farmasötik Kimya III, Undergraduate, 2019-2020
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2019-2020
Biyofarmasi, Undergraduate, 2018 - 2019
ECZACILIKTA BİLİMSEL ÇALIŞMA İLKELERİ I, Undergraduate, 2017 - 2018
İlaç Keşfinin Aşamaları ve Yeni Yaklaşımlar, Undergraduate Double Major, 2018-2019
İlaç Etken Madde Üretim Stratejileri, Undergraduate Double Major, 2018-2019
FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2017 - 2018, 2016 - 2017

Biyofarmasi, Undergraduate, 2018-2019
Farmasötik Kimya I, Undergraduate, 2018-2019
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2018-2019
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2018-2019
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2017 - 2018, 2016 - 2017
FARMASÖTİK KİMYA I, Undergraduate, 2017 - 2018, 2016 - 2017
ORGANİK KİMYA I, Undergraduate, 2017 - 2018
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2017-2018
Organik Kimya, Undergraduate, 2016 - 2017
Farmasötik Kimya III, Undergraduate, 2016 - 2017
Organik Kimya I, Undergraduate, 2017-2018
Araştırma Projesi, Undergraduate, 2016 - 2017
Farmasötik Kimya I, Undergraduate, 2017-2018
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2017-2018
Organik Kimya II, Undergraduate, 2017-2018
İlaç Metabolizması, Undergraduate, 2016 - 2017
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2017-2018
Farmasötik Kimya II, Undergraduate, 2017-2018
İlaçlarda Adlandırma Kuralları, Undergraduate, 2016 - 2017
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2017-2018
Farmasötik Kimya IV Laboratuvarı, Undergraduate, 2017-2018
Organik Reaksiyon Mekanizmaları II, Undergraduate Minor, 2016-2017
Araştırma Projesi II, Undergraduate, 2016-2017
Araştırma Projesi I, Undergraduate, 2016-2017
NMR Spektroskopisi, Undergraduate Minor, 2016-2017
Organik Kimya II, Undergraduate, 2016-2017
İlaç Metabolizması, Undergraduate, 2016-2017
Farmasötik Kimya II, Undergraduate, 2016-2017
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2016-2017
Farmasötik Kimya I, Undergraduate, 2016-2017
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2016-2017
Farmasötik Kimya III Laboratuvarı, Undergraduate, 2016-2017
Farmasötik Kimya III, Undergraduate, 2016-2017
İlaçlarda Adlandırma Kuralları, Undergraduate, 2016-2017
Organik Kimya I, Undergraduate, 2016-2017
Araştırma Projesi I, Undergraduate, 2015-2016
Farmasötik Kimya II, Undergraduate, 2015-2016
Farmasötik Kimya II Laboratuvarı, Undergraduate, 2015-2016
Araştırma Projesi II, Undergraduate, 2015-2016
İlaçlarda Adlandırma Kuralları, Undergraduate, 2014-2015
Farmasötik Kimya I Laboratuvarı, Undergraduate, 2014-2015
Farmasötik Kimya III, Undergraduate, 2014-2015
Araştırma Projesi II, Undergraduate, 2014-2015
İzomeri ve Aktivitede Önemi, Undergraduate, 2014-2015
Organik Kimya I, Undergraduate, 2014-2015
Araştırma Projesi I, Undergraduate, 2014-2015
Farmasötik Kimyada Literatür Tarama Teknikleri, Undergraduate Minor, 2014-2015
Farmasötik Kimya III Laboratuvarı, Undergraduate, 2014-2015
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2013-2014
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2013-2014
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2013-2014

FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2013-2014
FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2012-2013
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2012-2013
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2012-2013
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2012-2013
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2011-2012
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2011-2012
FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2011-2012
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2011-2012
FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2010-2011
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2010-2011
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2010-2011
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2010-2011
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2009-2010
FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2009-2010
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2009-2010
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2009-2010
FARMASÖTİK KİMYA III LABORATUVARI, Undergraduate, 2008-2009
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2008-2009
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2008-2009
FARMASÖTİK KİMYA I LABORATUVARI, Undergraduate, 2008-2009
FARMASÖTİK KİMYA II LABORATUVARI, Undergraduate, 2007-2008
FARMASÖTİK KİMYA IV LABORATUVARI, Undergraduate, 2007-2008

Advising Theses

Özdemir Z., Uysal M., SYNTHESIS OF SOME NEW HYDRAZONE DERIVATIVES, ANTI-ALZHEIMER ACTIVITIES AND MOLECULAR MODELING STUDIES , Doctorate, M.ÇEÇEN(Student), Continues

Özdemir Z., Kiral bileşiklerin enansiyomerlerine ayırımı, Postgraduate, E.KARACA(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Inhibition of Monoamine Oxidases by Pyridazinobenzylpiperidine Derivatives**
Oh J. M., Zenni Y. N., Özdemir Z., Kumar S., Kılıç S., Akdağ M., Özçelik A. B., Kim H., Mathew B.
MOLECULES, vol.29, no.13, pp.1-19, 2024 (SCI-Expanded)
- II. **Inhibition of Cholinesterases by Benzothiazolone Derivatives**
Alagöz M. A., Kim S. M., Oh J. M., Arslan G., Özdemir Z., Sarı S., Özçelik A. B., Önkol T., Trisciuzzi D., Nicolotti O., et al.
Processes, vol.10, no.9, pp.1-12, 2022 (SCI-Expanded)
- III. **Integrated Experimental and Theoretical Approaches to Investigate the Molecular Mechanisms of the Enantioseparation of Chiral Anticonvulsant and Antifungal Compounds**
Gambacorta N., Özdemir Z., Doğan İ. S., Ciriaco F., Zenni Y. N., Karakurt A., Saraç S., Nicolotti O.
JOURNAL OF MOLECULAR STRUCTURE, pp.1-30, 2022 (SCI-Expanded)
- IV. **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)
- V. **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)

- VI. **Development of a Novel Class of Pyridazinone Derivatives as Selective MAO-B Inhibitors**
Alagöz M. A., Oh J. M., Zenni Y. N., Özdemir Z., Abdelgawad M. A., Naguib I. A., Ghoneim M. M., Gambacorta N., Nicolotti O., Kim H., et al.
MOLECULES, vol.27, no.12, 2022 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **Synthesis, Cytotoxicity and Anti-Proliferative Activity Against AGS Cells of New 3(2H)-Pyridazinone Derivatives Endowed with a Piperazinyl Linker.**
Alagöz M. A., Özdemir Z., Uysal M., Carradori S., Gallorini M., Ricci A., Zara S., Mathew B.
Pharmaceuticals (Basel, Switzerland), vol.14, 2021 (SCI-Expanded)
- X. **Monoamineoxidase-B (MAO-B) Inhibitors in the Treatment of Alzheimer's and Parkinson's Disease.**
Özdemir Z., Alagöz M. A., Bahçecioğlu Ö. F., Gök S.
Current medicinal chemistry, vol.28, pp.6045-6065, 2021 (SCI-Expanded)
- XI. **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)
- XII. **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)
- XIII. **Design, Synthesis, and Biological Evaluation of Pyridazinones Containing the (2-Fluorophenyl) Piperazine Moiety as Selective MAO-B Inhibitors**
Cecen M., Oh J. M., ÖZDEMİR Z., BÜYÜKTUNCEL S. E., UYSAL M., Abdelgawad M. A., Musa A., Gambacorta N., Nicolotti O., Mathew B., et al.
MOLECULES, vol.25, no.22, 2020 (SCI-Expanded)
- XIV. **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)
- XV. **A Series of New Hydrazone Derivatives: Synthesis, Molecular Docking and Anticholinesterase Activity Studies**
BOZBEY İ., ÖZDEMİR Z., Uslu H., ÖZÇELİK A. B., ŞENOL F. S., ERDOĞAN ORHAN İ., Uysal M.
MINI-REVIEWS IN MEDICINAL CHEMISTRY, vol.20, no.11, pp.1042-1060, 2020 (SCI-Expanded)
- XVI. **Synthesis and biological evaluation of new 3(2H)-pyridazinone derivatives as non-toxic anti-proliferative compounds against human colon carcinoma HCT116 cells**
ÖZDEMİR Z., UTKU S., Mathew B., Carradori S., Orlando G., Di Simone S., Alagoz M. A., ÖZÇELİK A. B., UYSAL M., Ferrante C.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.35, no.1, pp.1100-1109, 2020 (SCI-Expanded)
- XVII. **A new series of pyridazinone derivatives as cholinesterases inhibitors: Synthesis, in vitro activity and molecular modeling studies**

- ÖZÇELİK A. B., ÖZDEMİR Z., SARI S., UTKU S., UYSAL M.
PHARMACOLOGICAL REPORTS, vol.71, no.6, pp.1253-1263, 2019 (SCI-Expanded)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **SYNTHESIS OF NEW 6-[4-(2-FLUOROPHENYLPIPERAZINE-1-YL)]-3(2H)-PYRIDAZINONE-2-ACETHYL-2-(SUBSTITUTEDBENZAL)HYDRAZONE DERIVATIVES AND EVALUATION OF THEIR CYTOTOXIC EFFECTS IN LIVER AND COLON CANCER CELL LINES**
ÖZDEMİR Z., BASAK-TURKMEN N., AYHAN I., Ciftci O., Uysal M.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.52, no.11, pp.923-929, 2019 (SCI-Expanded)
- XXII. **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)
- XXIII. **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 (SCI-Expanded)
- XXIV. **The Novel Synthesized Pyridazinone Derivates Had the Antiproliferative and Apoptotic Effects in SHSY5Y and HEP3B Cancer Cell Line**
ÇİFTÇİ O., ÖZDEMİR Z., ACAR C., SOZEN M., BASAK-TURKMEN N., AYHAN I., GOZUKARA H.
LETTERS IN ORGANIC CHEMISTRY, vol.15, no.4, pp.323-331, 2018 (SCI-Expanded)
- XXV. **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)

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. Synthesis, Molecular Docking and Molecular Dynamics Simulation Studies of Some Pyridazinone Derivatives as Lipase Inhibitors**
ALAGÖZ M. A., DOĞAN İ. S., Şener S., ÖZDEMİR Z.
CUMHURİYET SCIENCE JOURNAL, vol.43, no.3, pp.391-397, 2022 (Peer-Reviewed Journal)
- III. Novel 2, 6-disubstituted-3-(2H)-pyridazines as Cholinesterase Inhibitors: In vitro Enzyme Inhibition and In silico Molecular Modelling and Dynamic Studies**
ÖZÇELİK A. B., Rüzgar H. E., ŞENOL DENİZ F. S., ERDOĞAN ORHAN İ., ALAGÖZ M. A., ÖZDEMİR Z.
Journal of Gazi University Health Sciences Institute, vol.4, no.2, pp.80-95, 2022 (Peer-Reviewed Journal)
- IV. Pharmacologically Active Molecules Bearing the Pyridazinone Ring as Main Scaffold**

- ÖZDEMİR Z., ALAGÖZ M. A., ARSLAN G., ÖZÇELİK A. B.
Journal of Gazi University Health Sciences Institute, vol.4, no.2, pp.61-79, 2022 (Peer-Reviewed Journal)
- V. **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)
- VI. **Synthesis, molecular modeling and evaluation of anticancer activities of some 1-substituted-4-phenyl piperazine derivatives**
ALAGÖZ M. A., ÖZDEMİR Z., HEPOKUR C., Bostancı H. E., ÖNKOL T.
Macedonian Pharmaceutical Bulletin, vol.66, no.03, pp.53-54, 2020 (Peer-Reviewed Journal)
- VII. **QSAR and pharmacophore analysis on pyridazinone derivatives as acetylcholinesterase inhibitors**
ALAGÖZ M. A., ÖZDEMİR Z., ZENNİ Y. N., YILMAZ T., ÖNKOL T.
Annals of Medical Research, vol.27, no.1, pp.266-270, 2020 (Peer-Reviewed Journal)
- VIII. **Conventional and Microwave Assisted Synthesis of New Triazole Derivatives and Evaluation of Their Antimicrobial Activities**
ÖZDEMİR Z., DOĞAN İ. S., ALAGÖZ M. A., SELLİTEPE H. E., KART D.
Hacettepe Journal of Biology and Chemistry, vol.47, pp.277-286, 2019 (Peer-Reviewed Journal)
- IX. **Molecular Modelling Studies of Pyridazinone Derivatives as Antibutrylcholinesterases**
ALAGÖZ M. A., ÖZDEMİR Z., ÖZÇELİK A. B.
International Journal of Pharmacy and Chemistry, vol.5, no.3, pp.26-30, 2019 (Peer-Reviewed Journal)
- X. **Molecular Modelling Studies of Pyridazinone Derivatives as Antibutrylcholinesterases**
ALAGÖZ M. A., ÖZDEMİR Z., ÖZÇELİK A. B.
International Journal of Pharmacy and Chemistry, vol.5, no.3, pp.26-30, 2019 (Peer-Reviewed Journal)
- XI. **Studies on a novel series of 3(2H)-pyridazinones: Synthesis, molecular modelling, antimicrobial activity**
ÖZDEMİR Z., Alagoz M. A., Akdemir A. G., ÖZÇELİK A. B., ÖZÇELİK B., UYSAL M.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.5, pp.960-972, 2019 (ESCI)
- XII. **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)
- XIII. **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)

Books & Book Chapters

- I. **Physicochemical and Structural Properties of Amphetamines**
ZENNİ Y. N., ÖZDEMİR Z.
in: Amphetamines: From Discovery to Impact, Emre Uyar, Yusuf Kenan Haspolat, Editor, Orient, Ankara, pp.8-21, 2023
- II. **Anticholinesterases**
ÖZDEMİR Z., ALAGÖZ M. A.
in: selected topics in myasthenia gravis, Isam Jaber Al-Zwaini, Ali AL-Mayahi, Editor, intechOpen, Londrina, pp.69-77, 2019
- III. **Antiepileptik İlaç Tasarımı**
Bozbey İ., ÖZDEMİR Z.
in: SAĞLIK BİLİMLERİ ALANINDA ARAŞTIRMA VE DEĞERLENDİRMELER, , Editor, Gece Akademi, pp.495-508, 2019
- IV. **Approaches Based on Cholinergic Hypothesis and Cholinesterase Inhibitors in the Treatment of**

Alzheimer'xxx Disease

ÖZDEMİR Z., ÖZÇELİK A. B., UYSAL M.

in: *Frontiers in Clinical Drug Research - Alzheimer Disorders*, Prof. Atta-ur-Rahman, Editor, Bentham, pp.154-190, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **3(2H)-Pyridazinones: Synthesis as Antifungal Agents, in silico Fungal CYP51 Inhibition**
Zenni Y. N., ÖZDEMİR Z., KUZU B., KUTLUK İ.
5th International Turkic World Conference on Chemical Sciences and Technologies, 25 - 29 October 2019
- II. **QSAR AND PHARMACOPHORE ANALYSIS ON PYRIDAZINONE-2-YL ACETOHYDRAZIDES AS ACETYLCHOLINESTERASE**
ALAGÖZ M. A., YILMAZ T., ÖZDEMİR Z., ÖNKOL T.
International Multidisciplinary Symposium on Drug Research Development (DRD 2019), Malatya, Turkey, 01 July 2019, pp.397-400
- III. **ENANTIOSEPERATION OF 1-(PHENYL/4-CHLOROPHENYL)-2-(1H-TRIAZOLE-1-YL)ETHANOLE ESTERS**
ÖZDEMİR Z., DOĞAN İ. S.
International Multidisciplinary Symposium on Drug Research Development, Malatya, Turkey, 1 - 03 July 2019
- IV. **QSAR AND PHARMACOPHORE ANALYSIS ON PYRIDAZINONE-2-YL ACETOHYDRAZIDES AS ACETYLCHOLINESTERASE**
ALAGÖZ M. A., YILMAZ T., ÖZDEMİR Z., ÖNKOL T.
International Multidisciplinary Symposium on Drug Research Development, Malatya, Turkey, 1 - 03 July 2019
- V. **MOLECULAR MODELLING STUDIES OF PYRIDAZINONE DERIVATIVES AS ANTIBUTYRYLCHOLINESTERASES**
BALKAYA K., ÖZDEMİR Z., ALAGÖZ M. A., ÖZÇELİK A. B.
International Multidisciplinary Symposium on Drug Research Development, Malatya, Turkey, 1 - 03 July 2019
- VI. **Evulation Of Cytotoxic Effects Of 1-(2-Naphthyl)-2-(Imidazol-1-yl)Ethanone Oxime Ether Derivatives In Neuroblastoma Cell Line**
DOĞAN İ. S., ÖZDEMİR Z.
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019
- VII. **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
- VIII. **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
- IX. **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
- X. **SYNTHESIS OF SOME NEW BENZALHYDRAZONE DERIVATIVES AND EVULATION OF THEIR ACHE INHIBITORY ACTIVITY IN VITRO**
Bozbey İ., ÖZDEMİR Z., ÖZÇELİK A. B., UYSAL M.
2nd Gazi Pharma Symposium, 11 - 13 October 2017
- XI. **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

- XII. **Synthesis, Molecular Docking and Acetylcholinesterase Inhibitory Activity of Some Novel Quinoline Derivatives**
USLU H., MERMER A., ÖZDEMİR Z., DEMİRBAŞ N.
3rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, Erzurum, Turkey, 5 - 07 October 2017
- XIII. **Synthesis and Evaluation of Antidepressant Activity of Some Novel Naphtyl Etanone Oxime Ester Derivatives Bearing Pyrazole Moiety**
Bozbey İ., USLU H., ÖZDEMİR Z., KARAKURT A.
3 rd International Multidisciplinary Symposium on Drug Research and Development, Erzurum, Turkey, 5 - 07 October 2017
- XIV. **Synthesis of Some New 1-Phenyl/1-(4-chlorophenyl)-2-(1H-triazole-1yl)ethanol Ester Derivatives and Evaluation of Their Anticonvulsant and Antimicrobial Activities**
DOĞAN İ. S., ÖZDEMİR Z., Bozbey İ., KART D., KARAKURT A., SARAÇ TARHAN S.
International Multidisciplinary Symposium on Drug Research and Development (DRD 2017), Erzurum, Turkey, 5 - 07 October 2017
- XV. **Synthesis, Biological Activity, and Molecular Modelling Studies on New Oxime Ether Compounds Bearing Imidazole Ring**
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
- XVI. **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
- XVII. **Fungal CYP51 Inhibition by 3(2H)-Pyridazinone Derivatives and the Importance of Coordination with Heme Iron A Molecular Modeling Study**
SARI S., ÖZDEMİR Z., KARAKURT A., UYSAL M.
4th International BAU-Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- XVIII. **Kiral HPLC ile Rasemik Karışımların Enansiyomerlerine Ayırımı**
ÖZDEMİR Z., KARAKURT A., Saraç S.
16. Ulusal Kromatografi Kongresi, Malatya, Turkey, 31 August - 02 September 2016, pp.51
- XIX. **6-SÜBSTİTÜE 3(2H)-PİRİDAZİNON 2-ASETİL-2-SÜBSTİTÜEBENZALHİDRAZON TÜREVLERİNİN SENTEZLERİ VE BİYOLOJİK AKTİVİTELERİ**
ÖZDEMİR Z., UYSAL M., KARAKURT A., ŞENOL F. S., ÖZÇELİK B.
IV. FARMASÖTİK KİMYA KONGRESİ, Girne, Cyprus (Kkct), 29 April - 01 May 2016
- XX. **INVESTIGATION of SOME NEW 6 SUBSTITUTE 3 2H PYRIDAZINONE DERIVATIVES and CYTOTOXIC EFFECTS**
ÇİFTÇİ O., BAŞAK N., ÖZDEMİR Z., UYSAL M.
International Multidisciplinary Symposium Drug Research and Development, 15 - 17 October 2015
- XXI. **INVESTIGATION OF SOME NEW 6 SUBSTITUTE 3 2H PYRIDAZINONE DERIVATIVES AND CYTOTOXIC EFFECTS**
ÇİFTÇİ O., BAŞAK N., ÖZDEMİR Z., UYSAL M.
International Multidisciplinary Symposium on Drug Research and Development (DRD 2015), Turkey, 16 - 18 October 2015
- XXII. **SYNTHESIS AND ANTIDEPRESSANT ACTIVITY OF NEW IMIDAZOLE DERIVATIVES**
USLU H., ÖZDEMİR Z., KARAKURT A., PARLAKPINAR H.
International Multidisciplinary Symposium on Drug Research & Development, Eskişehir, Turkey, 15 - 17 October 2015, pp.179
- XXIII. **1-(Naftalen-2-il)-2-(1H-Pirazol-1-il) Etanon Oksim Bileşiğinin Konvansiyonel ve Mikrodalga Sentez Yöntemlerinin Karşılaştırılması ve Spektral Analiz Yöntemleriyle Yapısının Aydınlatılması**

- USLU H., Bozbey İ., ÖZDEMİR Z., KARAKURT A.
XIV. Spektroskopi Kongresi, Turkey, 29 - 31 May 2015
- XXIV. **Bazı Yeni 6-Süstitüe-3(2H)-Piridazinon Türevlerinin Sentezlerive Sitotoksik Etkilerinin Araştırılması**
ÖZDEMİR Z., BAŞAK TÜRKMEN N., UYSAL M., ÇİFTÇİ O.
8. Ulusal Affinite Teknikleri Kongresi, Konya, Turkey, 4 - 06 September 2014
- XXV. **Bazı Yeni 6 Süstitüte 3 2H Piridazinon Türevlerinin Sentezleri ve Sitotoksik Etkilerinin Araştırılması**
ÖZDEMİR Z., BAŞAK N., UYSAL M., ÇİFTÇİ O.
8. Ulusal Afinite Teknikleri Kongresi, Turkey, 4 - 06 September 2014
- XXVI. **SYNTHESIS OF SOME NEW 1-(4-CHLOROPHENYL)-2-(1H-PYRAZOL-1-YL)ETHANONE OXIME ETHER DERIVATIVES AND EVALUATION OF THEIR ANTIMICROBIAL ACTIVITIES**
ÖZDEMİR Z., USLU H., KARAKURT A., GÜNAL S., DALKARA S.
International Multidisciplinary Symposium on Drug Research Development, 28 - 30 November 2013
- XXVII. **Synthesis of some new 6-substituted-3(2H)-pyridazinone-2-acetohydrazide derivatives and their antidepressant activity**
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 1-(4-chlorophenyl)-2-(1h-pyrazol-1-yl)ethanone oxime ether derivatives and evaluation of their antimicrobial activities**
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
- 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.
International Multidisciplinary Symposium on Drug Research & Development, Antalya, Turkey, 28 - 30 October 2013, pp.89
- XXX. **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
- XXXI. **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
- XXXII. **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
- XXXIII. **SYNTHESIS AND ANTIMICROBIAL EVALUATION OF 6-SUBSTITUTED-3(2H)-PYRIDAZINONE-2-ACETYL-2-(SUBSTITUTED BENZAL)HYDRAZONE DERIVATIVES**
ÖZDEMİR Z., UYSAL M., ÖZÇELİK B.
International Symposium on Drug Research Development From Chemistry to Medicine, Antalya, Turkey, 27 - 29 May 2011
- XXXIV. **Antimicrobial activities of some 1-(2 naphtyl)-(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
- XXXV. **Synthesis of some 1-(2-naphtyl)-2-(pyrazol-1-yl)ethanone oxime ether derivatives and their anticonvulsant activities**
ÖZDEMİR Z., KARAKURT A., Çalış Ü., DALKARA S.
3rd BBBB-Bosphorus International Conference on Pharmaceutical Sciences, Antalya, Turkey, 26 - 28 October 2009, pp.206-207

XXXVI. **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

ÖZDEMİR Z., ZENNİ Y. N., Project Supported by Higher Education Institutions, Seçici MonoaminoksidazB İnhibitörü Yeni Bileşiklerin Tasarımı Sentezi ve Parkinson Hastalığının Tedavisindeki Etkilerinin Değerlendirilmesi, 2023 - Continues
ÖZDEMİR İ., GÜRBÜZ N., KOÇ A., ALICI B., DEMİR DÜŞÜNCELİ S., YAŞAR S., OTLU B., GÜNAL S., ÖZDEMİR Z., ALAGÖZ M. A., et al., Project Supported by Higher Education Institutions, Biyolojik Özelliğe Sahip Komplekslerin Sentezi ve Özelliklerinin İncelenmesi, 2021 - Continues
ÖZDEMİR Z., SOLMAZ E., Project Supported by Higher Education Institutions, Azol Halkası Taşıyan Yeni Oksim Eter Türevleri: Sentez Antimikrobiyal Aktivite ve Moleküler Modelleme Çalışmaları, 2022 - 2023
ÖZDEMİR Z., KİM H., ALAGÖZ M. A., BÜYÜKTUNCEL S. E., ZENNİ Y. N., UYAR E., AÇIKGÜL M. B., Project Supported by Higher Education Institutions, Parkinson ve Alzheimer Tedavisine Yönelik Çok Hedefli Enzim İnhibitörü Tasarımı, 2021 - 2023
KARAKURT A., PARLAKPINAR H., ÖZDEMİR Z., BOZBEY İ., USLU H., Project Supported by Higher Education Institutions, Yeni (Arylalkil)pirazol Türevi Oksim Esterlerin Sentezleri, Antidepresan, Analjezik-Antienflamatuvar ve Antimikrobiyal Aktiviteleri, 2018 - 2019
Özdemir Z., Karakurt A., Sarı S., TUBITAK Project, İmidazol Halkası Taşıyan Yeni Oksim Eter Bileşiklerinin Sentez, Biyolojik Aktivite ve Moleküler Modelleme Çalışmaları, 2018 - 2019
ÖZDEMİR Z., TUBITAK Project, Yeni Sentezlenen Bir Seri 3(2H)-piridazinon Türevi Bileşiğin Beyin ve Karaciğer Kanseri Hücre Hatlarında Sitotoksik Etkilerinin Araştırılması, 2013 - 2017
ÖZDEMİR Z., TUBITAK Project, Yeni 1-Fenil-/1-(4-klorofenil)-2-(1H-triazol-1-il)etil Ester Bileşiklerinin Sentezi ve Antikonvülsan ve Antimikrobiyal Aktiviteleri, 2014 - 2016
Özdemir Z., Uysal M., Özdemir İ., Çiftçi O., TUBITAK Project, Yeni Sentezlenen 3 2H piridazinon Türevlerinin Beyin ve Karaciğer Kanseri Hücre Hatlarına Karşı sitotoksik Etkilerinin Araştırılması, 2014 - 2016
Özdemir Z., Karakurt A., Project Supported by Higher Education Institutions, Studies on Synthesis and Biological Activities of 6-Substituted-3(2H)-Pyridazinone-2-Acetyl-2-Substituted Benzalhydrazone Derivatives , 2013 - 2014
Özdemir Z., Karakurt A., Project Supported by Higher Education Institutions, Synthesis of Arylalkyl Azole Derivative Oxime Ether and Esters Antidepressant Analgesic Anti-inflammatory Activities , 2011 - 2014
Karakurt A., TUBITAK Project, Yeni Nafimidon Oksim Ester ve Eter Türevi Bileşiklerin Sentezleri ve Antikonvülsan Aktiviteleri, 2010 - 2011
Özdemir Z., Karakurt A., Project Supported by Higher Education Institutions, Synthesis of New Arylalkyl Pyrazole Derivative Oxime Ethers Anticonvulsant and Antimicrobial Activities , 2009 - 2010

Activities in Scientific Journals

Journal of Medicines Development Sciences, Committee Member, 2017 - Continues
Journal of Modern Biology and Drug Discovery, Committee Member, 2022 - 2024

Metrics

Publication: 79
Citation (WoS): 280
Citation (Scopus): 345

H-Index (WoS): 12

H-Index (Scopus): 12

Awards

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, September 2022

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, October 2021

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, May 2021

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, February 2021

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, January 2020

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, November 2019