

## 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 Profesyoneli 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 Etiği, 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  
Araştırma Projesi I, 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  
NMR Spektroskopisi, Undergraduate Minor, 2016-2017  
Organik Kimya II, Undergraduate, 2016-2017  
İlaç Metabolizması, Undergraduate, 2016-2017  
Araştırma Projesi I, 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  
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., Seçici Monoaminoksidaz-B İnhibitörü Yeni Bileşiklerin Tasarımı, Sentezi ve Parkinson Hastalığının Tedavisindeki Etkilerinin Değerlendirilmesi, Postgraduate, Y.NUR(Student), 2024  
Özdemir Z., Kiral bileşiklerin enansiyomerlerine ayırımı, Postgraduate, E.KARACA(Student), 2022

## Jury Memberships

Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2024  
Doctorate, Doctorate, İnönü Üniversitesi, April, 2021  
Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, January, 2014

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

- I. **Potent Antimicrobial Azoles: Synthesis, In Vitro and In Silico Study**  
Özdemir Z., Zenni Y. N., Karakurt A., Sari S., Saraç S., Akdağ M., Merde İ. B., Kart D., Venanzoni R., Flores G. A., et al.  
ANTIBIOTICS, vol.13, pp.1-15, 2024 (SCI-Expanded)
- II. **Elucidating the antimicrobial and anticarcinogenic potential of methanolic and water extracts of edible *Tragopogon coelestyriacus* Boiss.**  
Ünver T., Uzuner U., Çelik Uzuner S., Gürhan İ., Sivri N. S., Özdemir Z.  
FOOD SCIENCE & NUTRITION, vol.00, pp.1-21, 2024 (SCI-Expanded)
- III. **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)

- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Conventional and microwave prompted synthesis of aryl(alkyl)azole oximes, <sup>1</sup>H-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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)

- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **SYNTHESIS OF NEW 6-[4-(2-FLUOROPHENYLPYPERAZINE-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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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., ZENNİ 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**  
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## Supported Projects

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## Activities in Scientific Journals

Anatolian Journal of Pharmaceutical Sciences, Assistant Editor/Section Editor, 2022 - Continues  
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CHEMICAL BIOLOGY AND DRUG DESIGN, SCI Journal, May 2022  
CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, May 2022  
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, Journal Indexed in AHCI, March 2022  
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erciyes University, Turkey, March 2022  
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yildirim University, Turkey, March 2022  
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Karadeniz Technical University, Turkey, March 2022  
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Van Yüzüncü Yil University, Turkey, March 2022  
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yildirim University, Turkey, March 2022  
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yildirim University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yıldırım University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Van Yüzüncü Yil University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Anadolu University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Karadeniz Technical University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yıldırım University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yıldırım University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Sivas Cumhuriyet University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ege University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Suleyman Demirel University, Turkey, March 2022

CHEMICAL BIOLOGY AND DRUG DESIGN, SCI Journal, July 2021

ENVIRONMENT, DEVELOPMENT AND SUSTAINABILITY A MULTIDISCIPLINARY APPROACH TO THE THEORY AND PRACTICE OF SUSTAINABLE DEVELOPMENT, SCI Journal, May 2021

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, May 2021

EUROPEAN JOURNAL OF PHARMACOLOGY, SCI Journal, May 2021

CHEMICAL BIOLOGY AND DRUG DESIGN, SCI Journal, April 2021

Istanbul Journal of Pharmacy, National Scientific Refreed Journal, March 2021

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, February 2021

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, February 2021

Project Supported by Higher Education Institutions, BAP Research Project, Hacettepe University, Turkey, August 2020

JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, SCI Journal, June 2020

PROCESS BIOCHEMISTRY, SCI Journal, May 2020

CURRENT ALZHEIMER RESEARCH, SCI Journal, February 2020

Medicine Science, SCI Journal, October 2019

Medicine Science, SCI Journal, October 2019

Medicine Science, Journal Indexed in AHCI, October 2019

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, September 2019

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, September 2019

MEDICINAL CHEMISTRY RESEARCH, SCI Journal, August 2019

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, July 2019

Project Supported by Higher Education Institutions, BAP Research Project, Hacettepe University, Turkey, May 2019

ANTI-INFECTIVE AGENTS IN MEDICINAL CHEMISTRY, Journal Indexed in SSCI, April 2019

Rivastigmine Therapy Helps Improve Quality of Life for the Patients with Alzheimer's Disease, Chapter Scientific / Professional Book Published by Renowned Publishing Houses, April 2019

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, February 2019

Hacettepe Journal of Biology and Chemistry, Journal Indexed in AHCI, January 2019

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, December 2018

FUTURE MEDICINAL CHEMISTRY, SCI Journal, October 2018

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, September 2018

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, August 2018

MINI-REVIEWS IN MEDICINAL CHEMISTRY, SCI Journal, June 2018

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, SCI Journal, May 2018

MEDICINAL CHEMISTRY, SCI Journal, March 2018

## **Metrics**

Publication: 82

Citation (WoS): 321

Citation (Scopus): 388

H-Index (WoS): 13

H-Index (Scopus): 13

## **Congress and Symposium Activities**

5th International Virtual Conference on Chemistry & Pharmaceutical Chemistry, Invited Speaker, London, England, 2024

## **Awards**

Özdemir Z., TUBİTAK Yayın Teşvik Ödülü, Tübitak, August 2024

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