

Prof. YUSUF ÖZKAY

Personal Information

Email: yozkay@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/yozkay>

International Researcher IDs

ScholarID: 1687159080019

ORCID: 0000-0001-5948-1855

Publons / Web Of Science ResearcherID: DZE-2543-2022

ScopusID: 23478273900

Yoksis Researcher ID: 55317

Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), Turkey 2005 - 2009

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 1999 - 2003

Dissertations

Doctorate, Bazı 2-Süstitüye-N-[4-(1-Metil-4,5-Difenil-1H-İmidazol-2-İl)Fenil] Asetamid Türevlerinin Sentezleri ve Antikanser Aktivitelerinin Araştırılması Üzerine Çalışmalar, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), 2009

Postgraduate, Bazı Süstitü Benzilidenanilin Türevlerinin Sentezleri ve Yapı Aydınlatmaları ile Mutajenik, Sitotoksik ve Antiproliferatif Etkilerinin Araştırılması Üzerine Çalışmalar, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (YI) (Tezli), 2005

Research Areas

Pharmaceutical Chemistry

Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2018 - Continues

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2012 - 2018

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2012 - 2012

Lecturer PhD, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2009 - 2012

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2003 - 2009

Academic and Administrative Experience

Anadolu University, 2013 - Continues

Courses

TEZ, Postgraduate, 2015 - 2016, 2013 - 2014
FARMAKOPE ANALİZLERİ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
İLAÇ HAMMADDESİ SENTEZİNDEN ÜRÜNE KİMYASAL KALİTE KONTROL BASAMAKLARI , Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
İLAÇ SENTEZİNDE KİMYASAL AYIRMA VE SAFLAŞTIRMA YÖNTEMLERİ, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
UZMANLIK ALAN DERSİ, Postgraduate, 2015 - 2016, 2014 - 2015
FARMASÖTİK KİMYA UYGULAMALARI II, Undergraduate, 2015 - 2016, 2014 - 2015
MEZUNİYET PROJESİ II, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
SEMİNER, Postgraduate, 2015 - 2016, 2014 - 2015
MEZUNİYET PROJESİ I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
FARMASÖTİK KİMYA II, Undergraduate, 2015 - 2016, 2014 - 2015
FARMASÖTİK KİMYA UYGULAMALARI III, Undergraduate, 2015 - 2016
FARMASÖTİK KİMYA UYGULAMALARI I, Undergraduate, 2014 - 2015, 2010 - 2011
TOPLUMA HİZMET UYGULAMALARI, Undergraduate, 2014 - 2015, 2013 - 2014
ORGANİK KİMYA, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
TÜRKİYE'DE İLAÇ ETKEN MADDELERİ ÜRETİMİ, Undergraduate, 2014 - 2015
BİLİMSEL ARAŞTIRMA YÖNTEMLERİ, Undergraduate, 2014 - 2015
GENEL KİMYA 1, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011
FARMASÖTİK KİMYA 2, Undergraduate, 2013 - 2014, 2012 - 2013
STEREO SPESİFİK SENTEZ YÖNTEMLERİ , Doctorate, 2012 - 2013
MEDİSİNAL KİMYANIN TEMEL PRENSİPLERİ, Postgraduate, 2012 - 2013
GENEL KİMYA 2, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
TEMEL LABORATUAR BİLGİSİ, Undergraduate, 2011 - 2012, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of new piperazine-oxadiazole derivatives and investigation of their anticancer activities**
Uslu H., Goktas B., OSMANİYE D., LEVENT S., Goktas S. P., SAĞLIK ÖZKAN B. N., ÖZKAY Y., BENKLİ K.
JOURNAL OF MOLECULAR STRUCTURE, vol.1322, 2025 (SCI-Expanded)
- II. **Metabolic engineering of *Saccharomyces cerevisiae* for enhanced taxadiene production**
KARACA AT SAROS H., KAYA M., Kapkac H. A., LEVENT S., ÖZKAY Y., Ozan S. D., Nielsen J., Krivoruchko A.
MICROBIAL CELL FACTORIES, vol.23, no.1, 2024 (SCI-Expanded)
- III. **Investigation of anticancer effects of novel piperidine-oxadiazole and piperidine-triazole derivatives as VEGFR inhibitors and evaluation of their molecular docking-dynamic studies**
OSMANİYE D., Ali S. J. H., Celikates B., ILGIN S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1316, 2024 (SCI-Expanded)
- IV. **Synthesis, Characterization, and *In vitro* and *In Silico* Studies of New Triazole Derivatives as Aromatase Inhibitors**
Uzmez Z. L., OSMANİYE D., ÖZKAY Y., KAPLANCIKLI Z. A.
MEDICINAL CHEMISTRY, 2024 (SCI-Expanded)
- V. **Design, Synthesis, Investigation, and Biological Activity Assessments of (4-Substituted-Phenyl)-*N*-(3-morpholinopropyl)-3-phenylthiazol-2(3*H*)-imine Derivatives as Antifungal Agents**
Haji Ali S., OSMANİYE D., Saglik B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, no.38, pp.39326-39343, 2024 (SCI-Expanded)
- VI. **Synthesis, molecular dynamics simulation, and evaluation of biological activity of novel flurbiprofen and ibuprofen-like compounds**

Yildiz M. T., OSMANİYE D., SAĞLIK ÖZKAN B. N., LEVENT S., Kurnaz R., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR RECOGNITION, vol.37, no.5, 2024 (SCI-Expanded)

- VII. **Development and assessment of novel pyrazole-thiadiazol hybrid derivatives as VEGFR-2 inhibitors: design, synthesis, anticancer activity evaluation, molecular docking, and molecular dynamics simulation**
Halimi G., OSMANİYE D., ÖZKAY Y., KAPLANCIKLI Z. A.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, no.9-10, pp.291-304, 2024 (SCI-Expanded)
- VIII. **Design, synthesis, and investigation of biological activities of new triazole derivatives with antifungal effect**
Göktaş B., OSMANİYE D., LEVENT S., SAĞLIK ÖZKAN B. N., ÖZKAY Y., KAPLANCIKLI Z. A.
Journal of Molecular Structure, vol.1310, 2024 (SCI-Expanded)
- IX. **Selective in vitro Synergistic Evaluation of Probiotic Tolerant morpholinyl- and 4-ethylpiperazinyl-Imidazole-chalcone Derivatives on Gastrointestinal System Pathogens**
Soylemez T., Kaplanckli Z. A., OSMANİYE D., ÖZKAY Y., DEMİRCİ F.
CURRENT MICROBIOLOGY, vol.81, no.8, 2024 (SCI-Expanded)
- X. **New benzimidazole-oxadiazole derivatives as potent VEGFR-2 inhibitors: Synthesis, anticancer evaluation, and docking study**
ACAR ÇEVİK U., ÇELİK İ., Gorgulu S., Inan Z. D. S., BOSTANCI H. E., ÖZKAY Y., Kaplanckli Z. A.
DRUG DEVELOPMENT RESEARCH, vol.85, no.4, 2024 (SCI-Expanded)
- XI. ***In Vitro* Enzyme Activity and Molecular Docking Studies of Pyrazoline Derivatives as Monoamine Oxidase Inhibitors**
Sakarya M. T., Gul H. I., Yamali C., ÖZKAY Y., Tok T. T.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.58, no.3, pp.419-427, 2024 (SCI-Expanded)
- XII. **Synthesis, DFT Calculations, *In Silico* Studies, and Antimicrobial Evaluation of Benzimidazole-Thiadiazole Derivatives**
Isik A., ACAR ÇEVİK U., Karayel A., Ahmad I., Patel H., ÇELİK İ., GÜL Ü. D., Bayazit G., BOSTANCI H. E., Kocak A., et al.
ACS OMEGA, vol.9, no.16, pp.18469-18479, 2024 (SCI-Expanded)
- XIII. **New Benzimidazole-Triazole Derivatives as Topoisomerase I Inhibitors: Design, Synthesis, Anticancer Screening, and Molecular Modeling Studies**
Acar Çevik U., Çavuşoğlu B. K., Çelik İ., Rudrapal M., Rakshit G., Karayel A., Levent S., Osmaniye D., Sağlık Özkan B. N., Baysal M., et al.
ACS OMEGA, vol.9, pp.1-14, 2024 (SCI-Expanded)
- XIV. **Design, Synthesis, and Biological Effect Studies of Novel Benzofuran-Thiazolyldrazone Derivatives as Monoamine Oxidase Inhibitors**
Osmaniye D., Sağlık Özkan B. N., Levent S., Acar Çevik U., İlgin S., Yurttaş L., Özkay Y., Karaburun A. Ç., Kaplanckli Z. A., Gündoğdu-Karaburun N.
ACS OMEGA, vol.9, no.10, pp.11388-11397, 2024 (SCI-Expanded)
- XV. **Synthesis, characterization, biological evaluation and in silico studies of novel 1,3,4-thiadiazole derivatives as aromatase inhibitors**
Demiraran S., OSMANİYE D., ÖZKAY Y., KAPLANCIKLI Z. A., TOK F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1296, 2024 (SCI-Expanded)
- XVI. **Design, synthesis and biological evaluation of novel ketone derivatives containing benzimidazole and 1,3,4-triazole as CA inhibitors**
ACAR ÇEVİK U., Isik A., Kapavarapu R., Kucukoglu K., NADAROĞLU H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1295, 2024 (SCI-Expanded)
- XVII. **Design, synthesis, and molecular docking studies of benzimidazole-1,3,4-triazole hybrids as carbonic anhydrase I and II inhibitors**
ÇELİK İ., Cevik U. A., Kucukoglu K., NADAROĞLU H., BOSTANCI H. E., Isik A., ÖZKAY Y., KAPLANCIKLI Z. A.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.103, no.1, 2024 (SCI-Expanded)
- XVIII. **Design, synthesis, evaluation of biological activities and molecular docking and dynamic studies of**

novel acetazolamide analog compounds

OSMANIYE D., Yuva O., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.42, no.14, pp.7243-7256, 2024 (SCI-Expanded)

- XIX. **Design, synthesis, biological activities, and evaluation of molecular docking-dynamics studies of new thiosemicarbazones that may be effective against Alzheimer's disease**
Conger N., OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR RECOGNITION, vol.36, no.12, 2023 (SCI-Expanded)
- XX. **Synthesis of Imidazole-Thiazole Derivatives as Acetylcholinesterase and Butyrylcholinesterase Inhibitory Activities**
Karakaya A., Çevik U. A., Erçetin T., ÖZKAY Y., KAPLANCIKLI Z. A.
Pharmaceutical Chemistry Journal, vol.57, no.9, pp.1439-1443, 2023 (SCI-Expanded)
- XXI. **Design, synthesis, molecular docking and molecular dynamic studies of novel benzimidazole-thiazole derivatives as potent and selective COX-2 inhibitors**
IRMAK N. E., SAĞLIK ÖZKAN B. N., ÇELİK İ., ŞEN H. T., ÖZKAY Y., Ayhan-Kilcigil G.
NEW JOURNAL OF CHEMISTRY, vol.47, no.47, pp.21620-21632, 2023 (SCI-Expanded)
- XXII. **Development of Some Antiplatelet Salts as Drug Active Ingredients and Investigation Biological Activities**
Uslu H., SATILMIŞ B., UYUMLU A. B., SAĞLIK ÖZKAN B. N., LEVENT S., ÖZKAY Y., GENÇ M. F., BATÇIOĞLU K., Kamisli S., Benkli K.
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.57, no.8, pp.1260-1270, 2023 (SCI-Expanded)
- XXIII. **Design, synthesis, and biological activity studies of carbonic anhydrase inhibitors**
Erzurum D., OSMANİYE D., SAĞLIK ÖZKAN B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.78, no.11-12, pp.421-432, 2023 (SCI-Expanded)
- XXIV. **Synthesis and Biological Evaluation of Benzoxazolone-Thiosemicarbazide, 1,2,4-Triazole, 1,3,4-Thiadiazole Derivatives as Cholinesterase Inhibitors**
KOÇAK ASLAN E., SAĞLIK B. N., ÖZKAY Y., PALASKA E.
CHEMISTRYSELECT, vol.8, no.35, 2023 (SCI-Expanded)
- XXV. **Synthesis of Imidazole-2,3-dihydrothiazole Compounds as VEGFR-2 Inhibitors and Their Support with in Silico Studies**
OSMANİYE D., Bozkurt N. B., Kurban B., Yardimci G. B., ÖZKAY Y., KAPLANCIKLI Z. A.
CHEMISTRY & BIODIVERSITY, vol.20, no.9, 2023 (SCI-Expanded)
- XXVI. **Synthesis of novel thiazol-2(3H)-imine derivatives as ergosterol biosynthesis inhibitors, and elucidation of their structures using a 2D NMR technique**
OSMANİYE D., LEVENT S., SAĞLIK B. N., Gorgulu S., ÖZKAY Y., KAPLANCIKLI Z. A.
NEW JOURNAL OF CHEMISTRY, vol.47, no.37, pp.17558-17566, 2023 (SCI-Expanded)
- XXVII. **Synthesis and Anticancer Activities of Pyrazole-Thiadiazole-Based EGFR Inhibitors**
Kurban B., SAĞLIK B. N., OSMANİYE D., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, 2023 (SCI-Expanded)
- XXVIII. **Design, synthesis, and molecular docking studies of novel quinoxaline derivatives as anticancer agents**
Ali S. H., OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
Chemical Biology and Drug Design, vol.102, no.2, pp.303-315, 2023 (SCI-Expanded)
- XXIX. **Synthesis of new compounds bearing methyl sulfonyl pharmacophore as selective COX-2 inhibitor**
Almarsoomi T., OSMANİYE D., SAĞLIK B. N., LEVENT S., Ghani U., ÖZKAY Y., KAPLANCIKLI Z. A.
Journal of Molecular Recognition, vol.36, no.7, 2023 (SCI-Expanded)
- XXX. **Synthesis, Antifungal Activities, Molecular Docking and Molecular Dynamic Studies of Novel Quinoxaline-Triazole Compounds**
OSMANİYE D., Bozkurt N. B., LEVENT S., Yardimci G. B., SAĞLIK B. N., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, no.27, pp.24573-24585, 2023 (SCI-Expanded)
- XXXI. **New benzimidazole-oxadiazole derivatives: Synthesis, alpha-glucosidase, alpha-amylase activity, and**

molecular modeling studies as potential antidiabetic agents

ACAR ÇEVİK U., ÇELİK İ., PASHAYEVA L., FATULLAYEV H., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, vol.356, no.5, 2023 (SCI-Expanded)

- XXXII. **New imidazole derivatives as aromatase inhibitor: Design, synthesis, biological activity, molecular docking, and computational ADME-Tox studies**
Cetiner G., ACAR ÇEVİK U., ÇELİK İ., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1278, 2023 (SCI-Expanded)
- XXXIII. **Design, Synthesis, and Biological Evaluation Studies of Novel Naphthalene-Chalcone Hybrids As Antimicrobial, Anticandidal, Anticancer, and VEGFR-2 Inhibitors**
OSMANIYE D., SAĞLIK B. N., Khalilova N., LEVENT S., Bayazit G., GÜL Ü. D., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, vol.8, pp.6669-6678, 2023 (SCI-Expanded)
- XXXIV. **Synthesis of Benzimidazole-1,2,4-triazole Derivatives as Potential Antifungal Agents Targeting 14 alpha-Demethylase**
Guzel E., ACAR ÇEVİK U., EVREN A. E., BOSTANCI H. E., GÜL Ü. D., KAYIŞ U., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, vol.8, no.4, pp.4369-4384, 2023 (SCI-Expanded)
- XXXV. **Novel thiadiazol derivatives; design, synthesis, biological activity, molecular docking and molecular dynamics**
OSMANIYE D., Evren A. E., Karaca Ş., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1272, 2023 (SCI-Expanded)
- XXXVI. **Design, synthesis, molecular modeling, DFT, ADME and biological evaluation studies of some new 1,3,4-oxadiazole linked benzimidazoles as anticancer agents and aromatase inhibitors**
ACAR ÇEVİK U., ÇELİK İ., Isik A., Ahmad I., Patel H., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.5, pp.1944-1958, 2023 (SCI-Expanded)
- XXXVII. **Synthesis, and docking studies of novel tetrazole-S-alkyl derivatives as antimicrobial agents**
ACAR ÇEVİK U., ÇELİK İ., Isik A., GÜL Ü. D., Bayazit G., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.198, no.2, pp.137-144, 2023 (SCI-Expanded)
- XXXVIII. **Synthesis and Molecular Docking of New N-Acyl Hydrazones-Benzimidazole as hCA I and II Inhibitors**
Kucukoglu K., ACAR ÇEVİK U., NADAROĞLU H., ÇELİK İ., Isik A., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
MEDICINAL CHEMISTRY, vol.19, no.5, pp.485-494, 2023 (SCI-Expanded)
- XXXIX. **Design, synthesis and molecular docking and ADME studies of novel hydrazone derivatives for AChE inhibitory, BBB permeability and antioxidant effects**
OSMANIYE D., Ahmad I., SAĞLIK B. N., LEVENT S., Patel H. M., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.18, pp.9022-9038, 2023 (SCI-Expanded)
- XL. **Investigation of Novel Quinoline-Thiazole Derivatives as Antimicrobial Agents: In Vitro and In Silico Approaches**
EVREN A. E., KARADUMAN A. B., SAĞLIK B. N., ÖZKAY Y., YURTTAŞ L.
ACS OMEGA, no.1, pp.1410-1429, 2023 (SCI-Expanded)
- XLI. **Synthesis, biological evaluation and in silico studies of novel thiadiazole-hydrazone derivatives for carbonic anhydrase inhibitory and anticancer activities**
BOSTANCI H. E., ÇEVİK U., Kapavarapu R., Guldiken Y. C., Inan Z. D. S., Gueler O. O., UYSAL T. K., Uytun A., Cetin F. N., ÖZKAY Y., et al.
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.34, no.7, pp.543-567, 2023 (SCI-Expanded)
- XLII. **Design, Synthesis, and In Vitro and In Silico Approaches of Novel Indanone Derivatives as Multifunctional Anti-Alzheimer Agents**
SAĞLIK B. N., LEVENT S., OSMANİYE D., EVREN A. E., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, vol.7, no.50, pp.47378-47404, 2022 (SCI-Expanded)
- XLIII. **Synthesis, Molecular Docking, Dynamics, Quantum-Chemical Computation, and Antimicrobial Activity Studies of Some New Benzimidazole-Thiadiazole Hybrids**
ÇELİK İ., Çevik U., Karayel A., Işık A., Kayış U., GÜL Ü. D., BOSTANCI H. E., KONCA S. F., ÖZKAY Y., Kaplanckli Z. A.

ACS OMEGA, vol.7, no.50, pp.47015-47030, 2022 (SCI-Expanded)

- XLIV. **Synthesis of novel thiosemicarbazone derivatives and investigation of their dual AChE and MAO-B inhibitor effects**
Uytun A. N., OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR RECOGNITION, vol.35, no.12, 2022 (SCI-Expanded)
- XLV. **Benzimidazole-hydrazone derivatives: Synthesis, in vitro anticancer, antimicrobial, antioxidant activities, in silico DFT and ADMET studies**
Isik A., Cevik U., ÇELİK İ., BOSTANCI H. E., KARAYEL A., Gundogdu G., İNCE U., KOÇAK A., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1270, 2022 (SCI-Expanded)
- XLVI. **Synthesis, characterization, molecular docking, dynamics simulations, and in silico absorption, distribution, metabolism, and excretion (ADME) studies of new thiazolyhydrazone derivatives as butyrylcholinesterase inhibitors**
Isik A., Cevik U., ÇELİK İ., Ercetin T., KOÇAK A., ÖZKAY Y., KAPLANCIKLI Z. A.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.77, no.11-12, pp.447-457, 2022 (SCI-Expanded)
- XLVII. **Synthesis of new derivatives containing pyridine, investigation of MAO inhibitory activities and molecular docking studies**
OSMANİYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A., TURAN G.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.77, no.11-12, pp.509-517, 2022 (SCI-Expanded)
- XLVIII. **Design, synthesis, biological activity evaluation and in silico studies of new nicotinohydrazone derivatives as multi-targeted inhibitors for Alzheimer's disease**
TOK F., SAĞLIK B. N., ÖZKAY Y., KAPLANCIKLI Z. A., KAYMAKÇIOĞLU B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, 2022 (SCI-Expanded)
- XLIX. **Design, synthesis and molecular docking studies of novel benzimidazole-1,3,4-oxadiazole hybrids for their carbonic anhydrase inhibitory and antioxidant effects**
Kucukoglu K., Cevik U., NADAROĞLU H., ÇELİK İ., Isik A., BOSTANCI H. E., ÖZKAY Y., KAPLANCIKLI Z. A.
MEDICINAL CHEMISTRY RESEARCH, vol.31, no.10, pp.1771-1782, 2022 (SCI-Expanded)
- L. **N-Substituted Arylidene-3-(Methylsulfonyl)-2-Oxoimidazolidine-1-Carbohydrazone as Cholinesterase Inhibitors: Design, Synthesis, and Molecular Docking Study**
TOK F., SAĞLIK B. N., ÖZKAY Y., KAPLANCIKLI Z. A., KAYMAKÇIOĞLU B.
CHEMISTRY & BIODIVERSITY, vol.19, no.8, 2022 (SCI-Expanded)
- LI. **Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors**
OSMANİYE D., TÜRKEŞ C., Demir Y., ÖZKAY Y., BEYDEMİR Ş., KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, vol.355, no.8, 2022 (SCI-Expanded)
- LII. **Synthesis of New Pyrimidine-Triazole Derivatives and Investigation of Their Anticancer Activities**
OSMANİYE D., Hidir A., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
CHEMISTRY & BIODIVERSITY, vol.19, no.8, 2022 (SCI-Expanded)
- LIII. **Synthesis of novel benzothiazole derivatives and investigation of their enzyme inhibitory effects against Alzheimer's disease**
Karaca Ş., Osmaniye D., Sağlık B. N., Levent S., İlgin S., Özkay Y., Karaburun A. Ç., Kaplançıklı Z. A., Gündoğdu-Karaburun N.
RSC ADVANCES, vol.12, no.36, pp.23626-23636, 2022 (SCI-Expanded)
- LIV. **Synthesis of Some 2-Substituted-5-(Benzothiazol-2-yl)-1H-Benzimidazole Derivatives and Investigation of Their Antiproliferative Effects**
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LXXX. **Synthesis of Some Novel Benzothiazole Derivatives As Anticancer Agents**

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Sağır S., MÜLAZIMOĞLU İ. E., YILMAZ E., ÖZCAN S., CAN N. Ö., MERCİMEK B., ÖZKAY Y., DEMİR MÜLAZIMOĞLU A.

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