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Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), Turkey 1996 - 2003

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Yl) (Tezli), Turkey 1994 - 1996

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 1990 - 1994

Dissertations

Doctorate, Bazı 4-fenil/siklohegzil-5-(1-fenoksietil)-2,4-dihidro-3H-1,2,4- triazol-3-tiyon türevlerinin sentezleri ve antifungal, antibakteriyel aktivitelerinin araştırılması, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), 2003

Postgraduate, Bazı N-(4-kromaniliden) ariloksiasetohidrazid türevlarının sentezi ve antibakteriyal etkilerinin araştırılması, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Yl) (Tezli), 1996

Research Areas

Pharmaceutical Chemistry

Academic Titles / Tasks

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

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2006 - 2012

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2004 - 2006

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 1995 - 2004

Academic and Administrative Experience

Anadolu University, 2019 - Continues

Anadolu University, 2013 - 2018

Anadolu University, 2013 - 2014

Courses

FARMASÖTİK KİMYA III, Undergraduate, 2013 - 2014, 2011 - 2012, 2009 - 2010, 2007 - 2008, 2005 - 2006, 2003 - 2004

Advising Theses

Kaplancıklı Z. A., Synthesis of new compounds containing methylsulfonyl pharmacophore and investigation of selective COX-2 inhibitory activities,, Postgraduate, T.FALAH(Student), 2023

Kaplancıklı Z. A., Yeni heterosiklik bileşiklerin sentezi ve asetilkolin esteraz ve monoamin oksidaz inhibitör etkilerinin araştırılması, Postgraduate, B.KURBAN(Student), 2023

Kaplancıklı Z. A., Demir Özkar Ü., Yeni sentezlenen bazı fenilpropiyonik asid türevlerinin kronik hafif stres modeli oluşturulmuş sıçanlardaki antidepresan etkilerinin araştırılması, Doctorate, Ü.KANDEMİR(Student), 2023

Kaplancıklı Z. A., Yeni karbonik anhidraz inhibitörlerinin tasarımları, sentezi ve biyolojik aktivite çalışmaları, Postgraduate, D.ERZURUM(Student), 2022

Kaplancıklı Z. A., Yeni tiyosemikarbazon türevlerinin sentezleri ve dual AChE ve MAO-B inhibitör etkilerinin araştırılması, Postgraduate, A.NUR(Student), 2022

Kaplancıklı Z. A., Yeni kinaz inhibitörlerinin tasarımları, sentezi ve biyolojik aktivite çalışmaları, Doctorate, D.OSMANİYE(Student), 2021

Kaplancıklı Z. A., Yeni siklooksijenaz inhibitörü bileşiklerin tasarımları, sentezi ve biyolojik aktivite çalışmaları, Doctorate, B.KAYA(Student), 2019

Kaplancıklı Z. A., Synthesis and biological evaluation of new cholinesterase inhibitors, Doctorate, W.ABDULRAHEEM(Student), 2017

Altıntop M. D., Kaplancıklı Z. A., Synthesis and Biological Activity Studies of New Triazolothiadiazine Derivatives , Postgraduate, B.SEVER(Student), 2015

Kaplancıklı Z. A., Bazı yeni tiyazolin türevlerinin sentezleri ve antimikrobiyal etkilerinin araştırılması, Doctorate, M.DİLEK(Student), 2012

Kaplancıklı Z. A., Bazı 1-(2-aryl-2-okzoetyl)-2-[(morpholin-4-il)tiyoksometil]benzimidazol türevlerinin sentezi ve antikanser etkilerinin araştırılması, Doctorate, L.YURTTAŞ(Student), 2012

Kaplancıklı Z. A., Bazı yeni triazol türevlerinin sentezleri ve antifungal etkilerinin araştırılması, Postgraduate, M.DİLEK(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. Design, Synthesis, and Biological Effect Studies of Novel Benzofuran-Thiazolylhydrazone Derivatives as Monoamine Oxidase Inhibitors

Osmanlıye D., Sağlık Özkan B. N., Levent S., Acar Çevik U., İlgin S., Yurttaş L., Özkar Y., Karaburun A. Ç., Kaplancıklı Z. A., Gündoğdu-Karaburun N.

ACS OMEGA, vol.9, no.10, pp.11388-11397, 2024 (SCI-Expanded)

II. Synthesis, characterization, biological evaluation and in silico studies of novel 1,3,4-thiadiazole derivatives as aromatase inhibitors

Demiraran S., OSMANIYE D., ÖZKAY Y., KAPLANCIKLI Z. A., TOK F.

JOURNAL OF MOLECULAR STRUCTURE, vol.1296, 2024 (SCI-Expanded)

III. 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)

- IV. 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)
- V. 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)
- VI. Design, synthesis, biological activities, and evaluation of molecular docking-dynamics studies of new thiosemicarbazones that may be effective against Alzheimer's disease**
Conger N., OSMANIYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR RECOGNITION, vol.36, no.12, 2023 (SCI-Expanded)
- VII. Design, synthesis, and biological activity studies of carbonic anhydrase inhibitors**
Erzurum D., OSMANIYE D., SAĞLIK ÖZKAN B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.78, no.11-12, pp.421-432, 2023 (SCI-Expanded)
- VIII. 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)
- IX. 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)
- X. Synthesis and Anticancer Activities of Pyrazole-Thiadiazole-Based EGFR Inhibitors**
Kurban B., SAĞLIK B. N., OSMANIYE D., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ACS OMEGA, 2023 (SCI-Expanded)
- XI. Design, synthesis, and molecular docking studies of novel quinoxaline derivatives as anticancer agents**
Ali S. H., OSMANIYE 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)
- XII. Design, synthesis, evaluation of biological activities and molecular docking and dynamic studies of novel acetazolamide analog compounds**
OSMANİYE D., Yuva O., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2023 (SCI-Expanded)
- XIII. Synthesis of new compounds bearing methyl sulfonyl pharmacophore as selective COX-2 inhibitor**
Almarsoomi T., OSMANIYE D., SAĞLIK B. N., LEVENT S., Ghani U., ÖZKAY Y., KAPLANCIKLI Z. A.
Journal of Molecular Recognition, vol.36, no.7, 2023 (SCI-Expanded)
- XIV. 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)
- XV. 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)
- XVI. 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)
- XVII. Synthesis, Biological Evaluation, and Molecular Modeling Studies of New 1,3,4-Thiadiazole**

Derivatives as Potent Antimicrobial Agents

ACAR ÇEVİK U., ÇELİK İ., İNCE U., Maryam Z., Ahmad I., Patel H., ÖZKAY Y., KAPLANCIKLİ Z. A.

CHEMISTRY & BIODIVERSITY, vol.20, 2023 (SCI-Expanded)

- XVIII. **Design, Synthesis, and Biological Evaluation Studies of Novel Naphthalene-Chalcone Hybrids As Antimicrobial, Anticandidal, Anticancer, and VEGFR-2 Inhibitors**

OSMANİYE D., SAĞLIK B. N., Khalilova N., LEVENT S., Bayazit G., GÜL Ü. D., ÖZKAY Y., KAPLANCIKLİ Z. A.

ACS OMEGA, vol.8, pp.6669-6678, 2023 (SCI-Expanded)

- XIX. **Novel thiadiazol derivatives; design, synthesis, biological activity, molecular docking and molecular dynamics**

OSMANİYE D., Evren A. E., Karaca Ş., ÖZKAY Y., KAPLANCIKLİ Z. A.

JOURNAL OF MOLECULAR STRUCTURE, vol.1272, 2023 (SCI-Expanded)

- XX. **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)

- XXI. **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., KAPLANCIKLİ Z. A.

MEDICINAL CHEMISTRY, vol.19, no.5, pp.485-494, 2023 (SCI-Expanded)

- XXII. **Design, synthesis and molecular docking and ADME studies of novel hydrazone derivatives for AChE inhibitory, BBB permeability and antioxidant effects**

OSMANİYE D., Ahmad I., SAĞLIK B. N., LEVENT S., Patel H. M., ÖZKAY Y., KAPLANCIKLİ Z. A.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.18, pp.9022-9038, 2023 (SCI-Expanded)

- XXIII. **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., KAPLANCIKLİ Z. A.

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.198, no.2, pp.137-144, 2023 (SCI-Expanded)

- XXIV. **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., KAYİŞ U., ÖZKAY Y., KAPLANCIKLİ Z. A.

ACS OMEGA, no.4, pp.4369-4384, 2023 (SCI-Expanded)

- XXV. **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., KAPLANCIKLİ Z. A.

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.5, pp.1944-1958, 2023 (SCI-Expanded)

- XXVI. **Synthesis, Molecular Docking, Dynamics, Quantum-Chemical Computation, and Antimicrobial Activity Studies of Some New Benzimidazole-Thiadiazole Hybrids**

ÇELİK İ., Çevik U., Karayel A., İşlk A., Kayış U., GÜL Ü. D., Bostancı H. E., KONCA S. F., ÖZKAY Y., Kaplancıklı Z. A.

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

- XXVII. **Design, Synthesis, and In Vitro and In Silico Approaches of Novel Indanone Derivatives as Multifunctional Anti-Alzheimer Agents**

SAĞLIK B. N., LEVENT S., OSMANIYE D., EVREN A. E., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLİ Z. A.

ACS OMEGA, vol.7, no.50, pp.47378-47404, 2022 (SCI-Expanded)

- XXVIII. **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., KAPLANCIKLİ Z. A.

JOURNAL OF MOLECULAR STRUCTURE, vol.1270, 2022 (SCI-Expanded)

- XXIX. **Synthesis of novel thiosemicarbazone derivatives and investigation of their dual AChE and MAO-B inhibitor effects**

- Uytun A. N., OSMANIYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR RECOGNITION, vol.35, no.12, 2022 (SCI-Expanded)
- XXX. **Design, synthesis and biological evaluation of a new series of arylidene indanones as small molecules for targeted therapy of non-small cell lung carcinoma and prostate cancer**
Altintop M. D., Özdemir A., Temel H. E., Cevizlidere B. D., Sever B., Kaplancıklı Z. A., Akalın Çiftçi G.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.244, 2022 (SCI-Expanded)
- XXXI. **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)
- XXXII. **Synthesis, characterization, molecular docking, dynamics simulations, and in silico absorption, distribution, metabolism, and excretion (ADME) studies of new thiazolylhydrazone 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)
- XXXIII. **Design, synthesis, biological activity evaluation and in silico studies of new nicotinohydrazide 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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors**
OSMANİYE D., TÜRKES C., Demir Y., ÖZKAY Y., BEYDEMİR Ş., KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, vol.355, no.8, 2022 (SCI-Expanded)
- XXXVII. **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., Ilgin S., Özkay Y., Karaburun A. Ç., Kaplancıklı Z. A., Gündoğdu-Karaburun N.
RSC ADVANCES, vol.12, no.36, pp.23626-23636, 2022 (SCI-Expanded)
- XXXVIII. **N-Substituted Arylidene-3-(Methylsulfonyl)-2-Oxoimidazolidine-1-Carbohydrazide 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)
- XXXIX. **Thiazole inhibitors of α -glucosidase: Positional isomerism modulates selectivity, enzyme binding and potency of inhibition**
Ghani U., Ashraf S., Haq Z. U., KAPLANCIKLI Z. A., DEMİRCİ F., ÖZKAY Y., Afzal S.
Computational Biology and Chemistry, vol.98, 2022 (SCI-Expanded)
- XL. **Design, synthesis, molecular docking and molecular dynamics studies of novel triazolothiadiazine derivatives containing furan or thiophene rings as anticancer agents**
OSMANİYE D., Karaca Ş., Kurban B., BAYSAL M., Ahmad I., Patel H., ÖZKAY Y., KAPLANCIKLI Z. A.
BIOORGANIC CHEMISTRY, vol.122, 2022 (SCI-Expanded)
- XLI. **Design, Synthesis, and Molecular Modeling Studies of a Novel Benzimidazole as an Aromatase Inhibitor**

- ACAR ÇEVİK U., ÇELİK İ., Mella J., Mellado M., Oszkay Y., KAPLANCIKLI Z. A.
ACS OMEGA, vol.7, no.18, pp.16152-16163, 2022 (SCI-Expanded)
- XLII. Design, Synthesis, and Evaluation of Novel 2H-Benzo[b][1,4]thiazin-3(4H)-one Derivatives as New Acetylcholinesterase Inhibitors**
Ali S. H., OSMANIYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
MOLECULES, vol.27, no.7, 2022 (SCI-Expanded)
- XLIII. Novel imidazole derivatives as potential aromatase and monoamine oxidase-B inhibitors against breast cancer**
OSMANİYE D., LEVENT S., SAĞLIK B. N., KARADUMAN A. B., ÖZKAY Y., KAPLANCIKLI Z. A.
NEW JOURNAL OF CHEMISTRY, vol.46, no.16, pp.7442-7451, 2022 (SCI-Expanded)
- XLIV. Synthesis and biological evaluation of novel 1,3,4-oxadiazole derivatives as anticancer agents and potential EGFR inhibitors**
OSMANİYE D., Gorgulu S., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.59, no.3, pp.518-532, 2022 (SCI-Expanded)
- XLV. Novel thiazolyl-hydrazone derivatives including piperazine ring: synthesis, in vitro evaluation, and molecular docking as selective MAO-A inhibitor**
OSMANİYE D., Alasan R., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.77, no.3-4, pp.167-175, 2022 (SCI-Expanded)
- XLVI. Design, synthesis, biological activity, molecular docking, and molecular dynamics of novel benzimidazole derivatives as potential AChE/MAO-B dual inhibitors**
OSMANİYE D., Evren A. E., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, vol.355, no.3, 2022 (SCI-Expanded)
- XLVII. Synthesis, molecular modeling, quantum mechanical calculations and ADME estimation studies of benzimidazole-oxadiazole derivatives as potent antifungal agents**
ACAR ÇEVİK U., ÇELİK İ., Isik A., Pillai R. R., Tallei T. E., Yadav R., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1252, 2022 (SCI-Expanded)
- XLVIII. Design and synthesis of novel chalcone derivatives and evaluation of their inhibitory activities against acetylcholinesterase**
Ceyhun I., Karaca Ş., OSMANIYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, vol.355, no.3, 2022 (SCI-Expanded)
- XLIX. Synthesis of new benzimidazole derivatives containing 1,3,4-thiadiazole: their in vitro antimicrobial, in silico molecular docking and molecular dynamic simulations studies**
Cevik U., Isik A., Evren A. E., Kapusiz O., Gul U. D., Ozkay Y., Kaplancikli Z. A.
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.33, no.11, pp.899-914, 2022 (SCI-Expanded)
- L. Synthesis and molecular modelling of thiadiazole based hydrazone derivatives as acetylcholinesterase and butyrylcholinesterase inhibitory activities**
Isik A., ACAR ÇEVİK U., Karayel A., ÇELİK İ., Ercetin T., Kocak A., Ozkay Y., Kaplancikli Z. A.
SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.33, no.3, pp.193-214, 2022 (SCI-Expanded)
- LI. The 4-(dimethylaminoalkyl)piperazine inhibitors of alpha-glucosidase: allosteric enzyme inhibition and identification of interacting chemical groups**
Ghani U., Ashraf S., Ul Haq Z., KAPLANCIKLI Z. A., DEMİRCİ F., ÖZKAY Y., Afzal S.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.5, pp.1484-1492, 2022 (SCI-Expanded)
- LII. Design, synthesis, in vitro and in silico studies of some novel triazoles as anticancer agents for breast cancer**
OSMANİYE D., SAĞLIK B. N., LEVENT S., ILGIN S., ÖZKAY Y., KAPLANCIKLI Z. A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1246, 2021 (SCI-Expanded)
- LIII. Design, synthesis, in vitro, and in silico studies of 1,2,4-triazole-piperazine hybrid derivatives as potential MAO inhibitors**
Uslu H., OSMANIYE D., SAĞLIK B. N., LEVENT S., ÖZKAY Y., Benkli K., KAPLANCIKLI Z. A.
BIOORGANIC CHEMISTRY, vol.117, 2021 (SCI-Expanded)

- LIV. **Novel Thiosemicarbazone Derivatives: In Vitro and In Silico Evaluation as Potential MAO-B Inhibitors**
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