



BURÇİN TÜRKMENOĞLU

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Fakültesi Temel Eczacılık Bilimleri Bölümü Yalnızbağ Yerleşkesi
Erzincan

International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-4951-2020
ScopusID: 56023863100
Yoksis Researcher ID: 42020



Learning Knowledge

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|------------------------------|--|
| Doctorate 2013 - 2019 | Erciyes University, Fen Bilimleri Enstitüsü, Kimya, Turkey |
| Postgraduate 2011 - 2013 | Erciyes University, Fen Bilimleri Enstitüsü, Kimya, Turkey |
| Undergraduate 2005 - 2009 | Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey |

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, Devlet Malını Koruma ve Tasarruf Tedbirleri Eğitimi, VERGİ DENETİM KURULU BAŞKANLIĞI, 2024
Vocational Training, Eğitimcilerin Eğitimi Sertifika Programı, Erzincan Binali Yıldırım Üniversitesi, 2021
Vocational Training, 18. İÜGEN INTERNATIONAL MOLECULAR BIOLOGY AND GENETICS WINTER SCHOOL, İstanbul Üniversitesi, 2021
Occupational Health and Safety, İş Sağlığı ve Güvenliği, Erzincan Binali Yıldırım Üniversitesi, 2020
Other, Computer Aided Drug Design, Sanko Üniversitesi, 2017
Other, Chemometric Course Programme, Ankara Üniversitesi, 2015

Other, Bilgisayar Destekli İlaç Tasarımı Çalıştayı, Atatürk Üniversitesi, 2011
Other, Yüksek Başarımlı Hesaplama ve Paralel Programlama Yaz Okulu, İTÜ, 2011

Dissertations

Doctorate, TİYAZOL, 2-HİDROKSİDİARİLAMİT VE PİRİMİDİN TÜREVLERİ ÜZERİNDE MCET METODU VE MOLEKÜLER DOCKİNG ÇALIŞMALARI, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2019

Postgraduate, BENZODİAZEPİN GABAA RESEPTÖRÜNDE FLAVONOİD BAĞLANMALARININ MCET METODUYLA 4D-QSAR İNCELENMESİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2013

Academic Titles / Tasks

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|---|--|
| Associate Professor 2023 - Continues | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| Assistant Professor 2019 - 2023 | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| Research Assistant 2010 - 2019 | Erciyes University, Fen Bilimleri Enstitüsü, Kimya |

Supported Projects

- Somtürk Yılmaz B., Türkmenoğlu B., Project Supported by Higher Education Institutions, Lavandula Stoechasekstraktı ile CuII ZnII ve CoII Hibrit Nanoçiçeklerin Biyosentezi Antikanser Aktivitesinin Belirlenmesi ve Moleküler Docking Çalışmaları, 2024 - 2026
- Somtürk Yılmaz B., Türkmenoğlu B., Project Supported by Higher Education Institutions, ÜrikazKatalaz Metal Fosfat Hibrit Nanoçiçek Sentezi, Karakterizasyonu, Tekstil Boya Gideriminde kullanılması ve Moleküler Docking Çalışmaları, 2023 - 2025
- Burmaoğlu S., Türkmenoğlu B., Algül Ö., Urhan Küçük M., Terzi M. Y., Doğan S., TÜBİTAK Project, Tirozin kinaz inhibitör potansiyeli olan yeni pirazolo[3,4-d]pirimidin-kalkon hibrit bileşiklerinin tasarlanması, sentezi ve in vitro antikanser aktivitelerinin araştırılması, 2022 - 2025
- Karataş Ö. F., Algül Ö., Türkmenoğlu B., Burmaoğlu S., Anıl D., Ceylan O., TÜBİTAK Project, Pofut1 İnhibitörü Olabilecek Bileşiklerin Tasarımı, Sentezi Ve Etkinliklerinin Değerlendirmesi İle Antikanser Ve Anti-Anjiyojenik Potansiyellerinin In Vitro Ve In Vivo Modellerle İncelenmesi, 2022 - 2025
- İlhan Ceylan B., Bölükbaşı Yalçınkaya O., Aydın A., Türkmenoğlu B., Aykaç O., Emergency R&D Project of Group A, Oksovanadyum(IV) tiyosemikarbazon türevlerinin akciğer ve kemik kanseri ve diyabet üzerindeki biyolojik etkisinin in vitro, in silico ve DFTyöntemleriyle araştırılması, 2023 - 2024
- Çakır M., Türkmenoğlu B., Aydın A., Project Supported by Higher Education Institutions, TRPV4 Kanal Agonisti GSK1016790A ve Antagonisti HC067047nin Antikanser Etkilerinin In Vitro Olarak Değerlendirilmesi, 2023 - 2024
- Aydın D., Aydın A., Kara A., Türkmenoğlu B., Project Supported by Higher Education Institutions, Melatonin Borik asit ve Kannabidiol Tetrahidrokannabinol Kannabinoidlerinin Osteomiyelit Tedavisindeki Biyolojik Etkinliğinin İn vitro İncelenmesi, 2022 - 2024
- ÇOLAK S., ALGÜL Ö., TÜRKMEÑOĞLU B., GÜRİSOY Ş., Project Supported by Higher Education Institutions, Benzazol Türevi Bileşiklerin Sentezi ve mTOR İnhibitör Aktivitelerinin Araştırılması, 2022 - 2024
- Küpeli M., Aydın A., Türkmenoğlu B., Çağan E., Project Supported by Higher Education Institutions, Melatonin Sisplatin ve Kenevir Kannabinoidlerinin (Kannabidiol Tetrahidrokannabinol) İnsan Akciğer Kanseri Hücre Hattı

Üzerine Sitotoksik ve Apoptotik Etkilerinin Araştırılması, 2022 - 2024

10. Küpeli M., Aydın A., Türkmenoğlu B., Çakır M., Project Supported by Higher Education Institutions, Küçük Molekül İnhibitörü 8brcADPRnin İnsan Akciğer Kanseri Hücre Hattı Üzerine Sitotoksik ve Apoptotik Etkilerinin Araştırılması, 2022 - 2024
11. Aydın A., Kara A., Türkmenoğlu B., Aydın D., Project Supported by Higher Education Institutions, Melatonin ve Kenevir Kannabinoidlerinin (Kannabidiol, Tetrahidrokannabinol) Osteonekroz Tedavisindeki Biyolojik Etkinliğinin İn vitro İncelenmesi, 2022 - 2024
12. ALGÜL Ö., TÜRKMEÑOĞLU B., POLAT M. F., ÖZKEMAHLI K. G., GÜRSOY Ş., Project Supported by Higher Education Institutions, Yeni Kalkon Hibrit Türevlerinin Tasarımı Sentezi ve Meme Kanseri Hücreleri Üzerinde Olası Antiproliferatif Etkilerinin Araştırılması, 2021 - 2024
13. Aydın A., Karadağ A., Türkmenoğlu B., Yılmaz G., Küpeli M., Project Supported by Higher Education Institutions, Küçük Hücreli Dışı Akciğer Kanseri Tedavisinde Kullanılan Kemoterapötiklerin Nanoformüle Edilmiş Kenevir Kaynaklı Fitokannabinoidlerin Kullanımıyla Desteklenmesi, 2021 - 2024
14. Türkmenoğlu B., Bozbey İ., Karaköy Z., Project Supported by Higher Education Institutions, Moleküler Modelleme Çalışmalarıyla Yeni Piperazin Türevlerinin Kuantum Kimyasal Hesaplamalarının Yapılması Sentezi ve Spektral Karakterizasyonunun İncelenmesi, 2021 - 2023
15. Türkmenoğlu B., Güzel Y., Project Supported by Higher Education Institutions, CTP Çubukları Arasında Dörtgen Bağlantı Elemanı DŞE Modülü Kullanarak Portatif Sera Konstrüksiyon Üretimi, 2016 - 2019
16. Türkmenoğlu B., Güzel Y., Project Supported by Higher Education Institutions, TİYAZOL, 2-HİDROKSİDİARİLAMİT VE PİRİMİDİN TÜREVLERİ ÜZERİNDE MCET METODU VE MOLEKÜLER DOCKİNG ÇALIŞMALARI, 2016 - 2019

Awards

1. Türkmenoğlu B., Ekev-2023 Akademik Bilim Sanat Ve Spor Ödülleri TEMEL BİLİMLER, Ekev-2023 Akademik Bilim Sanat Ve Spor Ödülleri, October 2023

Jury Memberships

Post Graduate, Post Graduate, Erciyes Üniversitesi, June, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erzincan Binali Yıldırım Üniversitesi, November, 2023

Doctorate, Doctorate, Erciyes Üniversitesi, February, 2022

Post Graduate, Post Graduate, Erciyes Üniversitesi, August, 2021

Doctorate, Doctorate, Erciyes Üniversitesi, February, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Design, synthesis of antipyrine-based Schiff bases and investigation of their cholinesterase and carbonic anhydrase activities by in vitro and in silico approaches**
Çakmak R., Başaran E., Türkmenoğlu B., Şentürk M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1322, pp.1-11, 2024 (SCI-Expanded)
2. **Synthesis of newly designed hydrazones, in vitro and in silico studies, and Structure-Activity Relationship**
Sıcak Y., Başaran E., Türkmenoğlu B., Öztürk M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1321, pp.1-15, 2024 (SCI-Expanded)
3. **Synthesis of Sulfonamide-Based Schiff Bases as Potent Anticancer Agents: Spectral Analyses, Biological Activity, Molecular Docking, ADME, DFT, and Pharmacophore Modelling Studies**
Başaran E., Çakmak R., Türkmenoğlu B., Akkoc S., Köprü S.

CHEMISTRY AND BIODIVERSITY, vol.21, pp.1-17, 2024 (SCI-Expanded)

4. **Exploring new 5-Nitroimidazole Derivatives as Potent Acetylcholinesterase and Butyrylcholinesterase Enzyme Inhibitors**
Gursoy S., Satici D., Kuzu B., Turkmenoglu B., Dilek E., Algul Ö.
Chemistry and Biodiversity, vol.21, no.10, 2024 (SCI-Expanded)
5. **Novel europium(III), terbium(III), and gadolinium(III) Schiff base complexes: Synthesis, structural, photoluminescence, antimicrobial, antioxidant, and molecular docking studies**
Sogukomerogullari H. G., Başaran E., Kepekçi R. A., Türkmenoğlu B., Sarıoğlu A. O., Köse M.
POLYHEDRON, vol.264, pp.1-16, 2024 (SCI-Expanded)
6. **Determination of the Interactions of a Schiff Base with Different Targets via Molecular Docking and Cytotoxic Activity Studies**
Türkmenoğlu B., Bayar İ., Kökbudak Z., Akkoc S.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.101, pp.1-8, 2024 (SCI-Expanded)
7. **Synthesis and evaluation of di-heterocyclic benzazole compounds as potential antibacterial and anti-biofilm agents against Staphylococcus aureus.**
Aktekin M. B., Oksuz Z., Turkmenoglu B., Istifli E. S., Kuzucu M., Algul O.
Chemical biology & drug design, vol.104, no.2, 2024 (SCI-Expanded)
8. **Histopathological, Antioxidant, and Enzyme Activity of Boronic Incorporated Catechin Compound: Screening of Bioactivity with Molecular Docking Studies**
Paşa S., Atlan M., Temel H., Türkmenoğlu B., Ertaş A., Okan A., Yilmaz S., Ateş Ş.
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.50, no.4, pp.1446-1465, 2024 (SCI-Expanded)
9. **Synthesis, Characterization, Cytotoxic Activity Studies of N1-phenylbenzene-1,2-diamine @CuhNFs and 1,2-phenylenediamine@CuhNFs, and Molecular Docking Calculations of Their Ligands**
Somturk-Yilmaz B., Turkmenoglu B., Akkoc S.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.34, no.6, pp.1-13, 2024 (SCI-Expanded)
10. **Investigation of Newly Synthesized Fluorinated Isatin-Hydrazones by In Vitro Antiproliferative Activity, Molecular Docking, ADME Analysis, and e-Pharmacophore Modeling**
Başaran E., Köprü S., Akkoç S., Türkmenoğlu B.
ACS OMEGA, vol.9, no.23, pp.1-16, 2024 (SCI-Expanded)
11. **Synthesis of new sulfonamide derivatives: Investigation of their interactions with carbonic anhydrase and cholinesterase enzymes by in vitro and in silico evaluations**
Kurban M. G., Çakmak R., Başaran E., Türkmenoğlu B., Şentürk M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1315, pp.1-30, 2024 (SCI-Expanded)
12. **Hydrazide-Bridged Pyridazines for Cholinesterase Inhibitors: Synthesis, Characterizations, In Silico, and In Vitro Evaluation**
Gürsoy Ş., Taşkor Önel G., Türkmenoğlu B., Bozbey Merde İ., Dilek E., Özsoy C., Algül Ö.
CHEMISTRYSELECT, vol.9, no.e202400085, pp.1-12, 2024 (SCI-Expanded)
13. **Biological and in Silico Studies on the Benzimidazole-Based Compounds**
Bayar I., Turkmenoglu B., Akkoc S.
CHEMISTRY AFRICA-A JOURNAL OF THE TUNISIAN CHEMICAL SOCIETY, vol.7, pp.1-10, 2024 (SCI-Expanded)
14. **Design, spectroscopic characterization, in silico and in vitro cytotoxic activity assessment of newly synthesized thymol Schiff base derivatives**
Başaran E., Çakmak R., Sahin D., KÖPRÜ S., TÜRKMENOĞLU B., AKKOÇ S.
Journal of Biomolecular Structure and Dynamics, 2024 (SCI-Expanded)
15. **Synthesis, Characterization, Investigation of Anticancer Activity and Molecular Docking Studies of N2O2 Type Schiff Base Ligand and Metal Complexes**
Türkmenoğlu M., Tuna Yıldırım S., Altay A., Türkmenoğlu B.
CHEMISTRYSELECT, vol.9, no.4, pp.1-8, 2024 (SCI-Expanded)
16. **Chalcone-based imidazo[2,1-b]thiazole derivatives: synthesis, crystal structure, potent anticancer activity, and computational studies**

- Dadou S., Altay A., Baydere C., Anouar E. H., Türkmenoğlu B., Koudad M., Dege N., Oussaid A., Benchat N., Karrouchi K.
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, vol.41, pp.1-14, 2024 (SCI-Expanded)
17. **Clustering of atoms relative to vector space in the Z-matrix coordinate system and 'graphical fingerprint' analysis of 3D pharmacophore structure**
Kızılcan D. Ş., Güzel Y., Türkmenoğlu B.
MOLECULAR DIVERSITY, vol.28, pp.1-18, 2024 (SCI-Expanded)
18. **Novel Pyrazole-Based Benzofuran Derivatives as Anticancer Agents: Synthesis, Biological Evaluation, and Molecular Docking Investigations**
Ameziane El Hassani I., Altay A., Karrouchi K., Yeniçeri E., Türkmenoğlu B., Assila H., Boukharsa Y., Ramli Y., Ansar M.
Chemistry and Biodiversity, vol.20, no.11, 2023 (SCI-Expanded)
19. **Boronic Modified Quercetin Molecules: Synthesis and Biological Investigations with Molecular Docking Verification**
Temel H., Paşa S., Atlan M., Türkmenoğlu B., Ertuş A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1288, pp.1-10, 2023 (SCI-Expanded)
20. **New Fluoro- and Trifluoromethyl-Substituted Trimethoxychalcones as Anticancer Agents: Synthesis, Bio-evaluation, and Computational Studies**
Polat M. F., Anil D. A., Ozkemahli G., Turkmenoglu B., Hepokur C., Burmaoglu S., Algul O.
ChemistrySelect, vol.8, no.32, 2023 (SCI-Expanded)
21. **Focusing on New Piperazinyl-methyl-3(2H)pyridazinone Based Derivatives: Design, Synthesis, Anticancer Activity and Computational Studies**
Merde İ., Taşkor Önel G., Akkoç S., Karaköy Z., Türkmenoğlu B.
ChemistrySelect, vol.8, no.25, 2023 (SCI-Expanded)
22. **In silico and biological activity evaluation of quercetin-boron hybrid compounds, anti-quorum sensing effect as alternative potential against microbial resistance**
Temel H., Atlan M., TÜRKMEÑOĞLU B., Ertuş A., Erdönmez D., Çalışkan U. K.
Journal of Trace Elements in Medicine and Biology, vol.77, 2023 (SCI-Expanded)
23. **Diastereoselective Synthesis, Characterization, Investigation of Anticancer, Antibacterial Activities, In Silico Approaches and DNA/BSA Binding Affinities of Novel Pyrimidine-Sugar Derivatives**
Kahriman N., Serdaroğlu V., Aydın A., Türkmenoğlu B., Usta A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1277, pp.1-15, 2023 (SCI-Expanded)
24. **N-(benzazol-2-yl)-2-substituted phenylacetamide derivatives: design, synthesis and biological evaluation against MCF7 breast cancer cell line**
Zoatier B., Yildirim M., Alagoz M. A., Yetkin D., Turkmenoglu B., Burmaoglu S., Algül Ö.
JOURNAL OF MOLECULAR STRUCTURE, vol.1285, pp.1-10, 2023 (SCI-Expanded)
25. **Effect of fermented concentrated potato protein on milk yield and fertility parameters in dairy cows in the prepartum and postpartum periods**
Aktuğ E., Baytok E., Türkmenoğlu B.
LARGE ANIMAL REVIEW, vol.29, no.2, pp.51-57, 2023 (SCI-Expanded)
26. **New pyrimidine-N-β-D-glucosides: synthesis, biological evaluation, and molecular docking investigations**
Kahriman N., Peker K., Serdaroğlu V., Aydın A., Türkmenoğlu B., Usta A., Yaylı N.
TURKISH JOURNAL OF CHEMISTRY, vol.47, no.2, pp.476-494, 2023 (SCI-Expanded)
27. **Design, Synthesis, Cytotoxic Activity, and In Silico Studies of New Schiff Bases Including Pyrimidine Core**
KARATAŞ H., Aydın M., TÜRKMEÑOĞLU B., AKKOÇ S., Sahin O., KÖKBUDAK Z.
ChemistrySelect, vol.8, no.6, 2023 (SCI-Expanded)
28. **Biological evaluations and computational studies of newly synthesized thymol-based Schiff bases as anticancer, antimicrobial and antioxidant agents**
Sahin D., Kepekci R. A., Türkmenoğlu B., Akkoç S.

Journal of Biomolecular Structure and Dynamics, 2023 (SCI-Expanded)

29. **(p-Chlorophenyl)-3(2H)pyridazinone Derivatives: Synthesis, in Silico, and AChE/BChE Inhibitory Activity**
Bozbey İ., Taşkor Önel G., Türkmenoğlu B., Gürsoy Ş., Dilek E.
CHEMISTRYSELECT, vol.7, no.38, pp.1-7, 2022 (SCI-Expanded)
30. **Pyridazinones containing the (4-methoxyphenyl)piperazine moiety as AChE/BChE inhibitors: design, synthesis, in silico and biological evaluation**
Bozbey İ., Taşkor Önel G., Türkmenoğlu B., Gürsoy Ş., Dilek E.
MEDICINAL CHEMISTRY RESEARCH, vol.31, no.11, pp.2021-2031, 2022 (SCI-Expanded)
31. **3(2H)-pyridazinone derivatives: Synthesis, in-silico studies, structure-activity relationship and in-vitro evaluation for acetylcholinesterase enzyme inhibition**
Çöl Ö. F., BOZBEY İ., TÜRKMEÑOĞLU B., Uysal M.
Journal of Molecular Structure, vol.1261, 2022 (SCI-Expanded)
32. **Investigation of novel compounds via in silico approaches of EGFR inhibitors as anticancer agents**
Türkmenoğlu B.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.99, pp.100601, 2022 (SCI-Expanded)
33. **Design, synthesis, anticancer evaluation and molecular docking studies of new imidazo [2, 1-b] thiazole -based chalcones**
Dadou S., Altay A., Koudad M., Türkmenoğlu B., Yeniçeri E., Çağlar S., Allali M., Oussaid A., Benchat N., Karrouchi K.
Medicinal Chemistry Research, vol.31, no.8, pp.1369-1383, 2022 (SCI-Expanded)
34. **Synthesis of (p-tolyl)-3(2H)pyridazinone Derivatives as Novel Acetylcholinesterase Inhibitors**
Bozbey İ., Taşkor Önel G., Türkmenoğlu B., Gürsoy Ş., Dilek E., Özçelik A. B., Uysal M.
ChemistrySelect, vol.7, no.28, 2022 (SCI-Expanded)
35. **Dicyanoargentate(I)-based complexes induced in vivo tumor inhibition by activating apoptosis-related pathways**
Aydın A., Korkmaz N., Kısa D., Türkmenoğlu B., Karadağ A.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, pp.1-10, 2022 (SCI-Expanded)
36. **Design, synthesis and in vitro antiproliferation activity of some 2-aryl and -heteroaryl benzoxazole derivatives**
Kuzu B., Hepokur C., Turkmenoglu B., Burmaoglu S., Algul O.
Future Medicinal Chemistry, vol.14, no.14, pp.1027-1048, 2022 (SCI-Expanded)
37. **Design, synthesis, biological evaluation and molecular docking studies of novel 1H-1,2,3-Triazole derivatives as potent inhibitors of carbonic anhydrase, acetylcholinesterase and aldose reductase**
Anil D. A., Aydın B. O., Demir Y., TÜRKMEÑOĞLU B.
Journal of Molecular Structure, vol.1257, 2022 (SCI-Expanded)
38. **Comparison of the performance of different “local reactive descriptors” in 3D-QSAR analysis of enantioselective molecules**
Kızılcan D. Ş., TÜRKMEÑOĞLU B., GÜZEL Y.
Structural Chemistry, vol.33, no.2, pp.433-443, 2022 (SCI-Expanded)
39. **Conventional and microwave prompted synthesis of aryl(alkyl)azole oximes, 1H-NMR spectroscopic determination of E/Z isomer ratio and HOMO-LUMO analysis**
BOZBEY İ., USLU H., TÜRKMEÑOĞLU B., ÖZDEMİR Z., KARAKURT A., Levent S.
Journal of Molecular Structure, vol.1251, 2022 (SCI-Expanded)
40. **A bis indole analog molecule fluorescent probe for living cell staining**
BEŞER B. M., ALTAY A., Talaz O., TÜRKMEÑOĞLU B.
Journal of Photochemistry and Photobiology A: Chemistry, vol.424, 2022 (SCI-Expanded)
41. **Single Crystal, DFT and Docking Studies of a Benzimidazolium Salt**
AKKOÇ S., Yavuz S., TÜRKMEÑOĞLU B., İLHAN İ. Ö., AKKURT M.
Crystallography Reports, vol.65, no.7, pp.1173-1178, 2020 (SCI-Expanded)
42. **Investigation of inhibitory activity of monoamine oxidase A with 4D-QSAR using Fukui indices identifier**

- Türkmenoğlu B., Güzel Y., Su E. M., Kızılcan D. Ş.
Materials Today Communications, vol.25, 2020 (SCI-Expanded)
43. **The use of the Klopman index as a new descriptor for pharmacophore analysis on strong aromatase inhibitor flavonoids against estrogen-dependent breast cancer**
Kızılcan D. S., Türkmenoğlu B., Güzel Y.
Structural Chemistry, vol.31, no.4, pp.1339-1351, 2020 (SCI-Expanded)
 44. **Synthesis of novel heterocyclic compounds containing pyrimidine nucleus using the Biginelli reaction: Antiproliferative activity and docking studies**
Yavuz S., Akkoç S., Türkmenoğlu B., Sarıpınar E.
Journal of Heterocyclic Chemistry, vol.57, no.6, pp.2615-2627, 2020 (SCI-Expanded)
 45. **Investigation of 3D pharmacophore of N-benzyl benzamide molecules of melanogenesis inhibitors using a new descriptor Klopman index: uncertainties in model**
Tokat T. A., Turkmenoglu B., Güzel Y., Kizilcan D. S.
Journal of Molecular Modeling, vol.25, no.8, 2019 (SCI-Expanded)
 46. **Molecular docking and 4D-QSAR studies of metastatic cancer inhibitor thiazoles**
Turkmenoglu B., Güzel Y.
Computational Biology and Chemistry, vol.76, pp.327-337, 2018 (SCI-Expanded)
 47. **4D-QSAR studies using a new descriptor of the klopman index: Antibacterial activities of sulfone derivatives containing 1, 3, 4-oxadiazole moiety based on MCET model**
Güzel Y., Aslan E., Turkmenoglu B., Su E. M.
Current Computer-Aided Drug Design, vol.14, pp.207-220, 2018 (SCI-Expanded)
 48. **Pharmacophore and functional group identification of 4,4'-dihydroxydiphenylmethane as bisphenol-A (BSA) derivative**
Yilmaz H., Boz M., Turkmenoglu B., Güzel Y.
Tropical Journal of Pharmaceutical Research, vol.13, pp.117-127, 2014 (SCI-Expanded)

Articles Published in Other Journals

1. **Novel (p-tolyl)-3(2H)-pyridazinone derivatives containing substituted-1,2,3-triazole moiety as new anti-Alzheimer agents: Synthesis, in vitro and in silico assays**
Bozbey İ., Taşkor Önel G., Türkmenoğlu B., Gürsoy Ş., Dilek E.
FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.47, no.3, pp.1128446, 2022 (Scopus)
2. **Investigation of Nirmatrelvir with Different Crystal Structures Effective on SARS-CoV-2 by In Silico Approaches**
TÜRKMENOĞLU B.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.3, pp.1615-1623, 2022 (Peer-Reviewed Journal)
3. **A New Schiff Base Molecule Prepared from Pyrimidine-2-thione: Synthesis, Spectral Characterization, Cytotoxic Activity, DFT, and Molecular Docking Studies**
KÖKBUDAK Z., TÜRKMENOĞLU B., AKKOÇ S.
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Academic and Administrative Experience

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| 2024 - Continues | Member of the Senate | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
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| 2024 - Continues | Department Academic Incentive Evaluation Commission Chairperson | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2024 - Continues | Vice Dean | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
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| 2023 - Continues | EĞİTİM KOMİSYONU | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2023 - Continues | Kriter Değerlendirme Alt Komisyonu | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
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| 2021 - 2023 | AKREDİTASYON ALT KOMİSYONU MALİ KAYNAKLAR | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2021 - 2023 | MUAYENE/KABUL, SAYIM VE HURDAYA AYIRMA KOMİSYONU | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2021 - 2021 | Sosyal ve Kültürel Etkinlikler Komisyonu | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2021 - 2021 | Bilimsel Çalışmalar Komisyonu | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
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| 2021 - 2021 | Mezuniyet Projesi Değerlendirme Komisyonu | Erzincan Binali Yildirim University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |

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| 2021 - 2021 | Sayım Komisyonu | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2021 - 2021 | EczÇEP ve GEP Çalışma Komisyonu | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2021 - 2021 | Eczacılık Fakültesi Mezuniyet Komitesi (2020-2021 Eğitim- Öğretim Yılı) | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2020 - 2021 | Eczacılık Fakültesi Akreditasyon Çalışma Komisyonu Üyelerine | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2020 - 2021 | EczÇEP ve GEP Çalışma Komisyonu Üyelerine | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |
| 2020 - 2021 | Eczacılık Fakültesi Mezuniyet Komitesi Üyelerine | Erzincan Binali Yıldırım University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü |

Courses

Eczacılıkta Fizikokimyasal Kavramlar, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Uzmanlık Alan Dersi, Postgraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022
Analitik Kimya 2, Undergraduate, 2023 - 2024
Danışmanlık, Postgraduate, 2024 - 2025
Analitik Kimya 2, Undergraduate, 2024 - 2025
Analitik Kimya Uygulama 1, Undergraduate, 2023 - 2024, 2022 - 2023
Analitik Kimya uygulama 2, Undergraduate, 2024 - 2025
Bilgisayar Destekli İlaç Tasarımı, Postgraduate, 2023 - 2024, 2022 - 2023
Eczacılıkta Güncel Kimya Konuları, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021
Analitik Kimya Lab. 2, Undergraduate, 2023 - 2024
Mezuniyet Projesi Dersi 2, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Analitik Kimya 1, Undergraduate, 2022 - 2023
Genel Kimya, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021
İLAÇ TASARIMI 2, Doctorate, 2023 - 2024
İlaç Tasarımı, Postgraduate, 2023 - 2024, 2022 - 2023
IR Spektroskopisinde İleri Konular, Doctorate, 2023 - 2024, 2022 - 2023
UZMANLIK ALAN DERSİ, Undergraduate, 2022 - 2023, 2021 - 2022
Etkili Sunum Teknikleri, Undergraduate, 2022 - 2023
Danışmanlık, Postgraduate, 2023 - 2024
İlaç Tasarımında Güncel Yaklaşımlar, Postgraduate, 2022 - 2023, 2021 - 2022
Mezuniyet Projesi Dersi 1, Undergraduate, 2023 - 2024, 2022 - 2023
Laboratuvar güvenliği, Undergraduate, 2023 - 2024, 2022 - 2023
UZMANLIK ALAN DERSİ, Postgraduate, 2023 - 2024
Literatür Değerlendirmede Temel Yöntemler ve Araştırma Metodları, Postgraduate, 2023 - 2024, 2022 - 2023

İlaç Tasarımı ve Moleküler Modelleme, Undergraduate, 2022 - 2023, 2021 - 2022
Seminer, Postgraduate, 2022 - 2023, 2021 - 2022
DANIŞMANLIK, Postgraduate, 2022 - 2023, 2021 - 2022
Moleküler Modellemede Kullanılan Güncel Yöntemler, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
İlaç Tasarımında Güncel Yaklaşımlar, Postgraduate, 2021 - 2022
Literatür Değerlendirmede Temel Yöntemler ve Araştırma Metodları, Postgraduate, 2021 - 2022
Moleküler Modelleme, Postgraduate, 2020 - 2021
Genel Kimya, Undergraduate, 2021 - 2022
Mezuniyet Projesi Dersi 1, Undergraduate, 2021 - 2022, 2020 - 2021
Kantitatif Yapı-Aktivite İlişkisi(QSAR), Undergraduate, 2021 - 2022, 2020 - 2021
İlaç Tasarımı I, Postgraduate, 2021 - 2022
Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022
Drug Design and Molecular Modeling, Undergraduate, 2020 - 2021, 2019 - 2020
Danışmanlık, Postgraduate, 2021 - 2022

Activities in Scientific Journals

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Editor, 2021 - Continues

Scientific Refereeing

MOLECULAR DIVERSITY, SCI Journal, July 2024
Bayburt Fen Bilimleri Dergisi, National Scientific Refreed Journal, June 2024
Project Supported by Higher Education Institutions, BAP Research Project, Erzincan Binali Yıldırım University, Turkey, March 2024
Journal of Biologically Active Products from Nature, SCI Journal, February 2024
SPECTROCHIMICA ACTA - PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Journal, December 2023
SPECTROCHIMICA ACTA - PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Journal, December 2023
Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, November 2023
Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, October 2023
CHEMISTRYSELECT, SCI Journal, October 2023
life in silico, Other journals, July 2023
Life in Silico, Other journals, July 2023
Life in Silico, Other journals, June 2023
Journal of the Turkish Chemical Society Section A: Chemistry, National Scientific Refreed Journal, April 2023
Bioorganic and Medicinal Chemistry Reports, Other journals, August 2022
Bioorganic and Medicinal Chemistry Reports, Other journals, June 2022
MEDICINAL CHEMISTRY RESEARCH, Journal Indexed in SCI-E, May 2022
CHEMISTRYSELECT, Journal Indexed in SCI-E, May 2022
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, National Scientific Refreed Journal, April 2022
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, National Scientific Refreed Journal, March 2022
THE EUROPEAN RESEARCH JOURNAL, National Scientific Refreed Journal, January 2022
Open Journal of Nano, Other Journals, November 2021
Open Journal of Nano, Other Journals, October 2021
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, April 2021
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Journal, March 2021
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, National Scientific Refreed Journal, March 2021

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yıldırım University, Turkey, March 2021

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Erzincan Binali Yıldırım University, Turkey, March 2021

Adıyaman Üniversitesi Fen Bilimleri Dergisi, Other journals, February 2021

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Journal, January 2021

JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, National Scientific Refreed Journal, December 2020

HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, National Scientific Refreed Journal, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, October 2020

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Journal, September 2020

JOURNAL OF SAUDI CHEMICAL SOCIETY, SCI Journal, August 2020

International Journal of Chemistry and Technology, Other Journals, May 2020

GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, April 2020

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, February 2020

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, January 2020

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, December 2019

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, August 2019

Synthetic Communications, SCI Journal, July 2019

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, May 2019

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, March 2019

Journal of Biomolecular Structure and Dynamics, SCI Journal, January 2019

Journal of Translational Science and Research, Other Indexed Journal, November 2018

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, November 2018

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, November 2018

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, October 2018

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, September 2018

Molecular Informatics, SCI Journal, July 2018

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, July 2018

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, February 2018

Journal of Saudi Chemical Society, SCI Journal, February 2018

Journal of Saudi Chemical Society, SCI Journal, February 2018

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, January 2018

Journal of Molecular Structure, SCI Journal, December 2017

Journal of Molecular Structure, SCI Journal, December 2017

Journal of Molecular Structure, SCI Journal, October 2017

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, June 2017

Journal of Saudi Chemical Society, SCI Journal, June 2017

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, May 2017

Journal of Saudi Chemical Society, SCI Journal, May 2017

Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, October 2016

Tasks In Event Organizations

Türkmenoğlu B., 8th Drug Chemistry Conference, Scientific Congress, Antalya, Turkey, Mart 2020

Congress and Symposium Activities

Materials Design Webinars, Attendee, Massachusetts, United States Of America, 2024

Uluslararası 10. İlaç Kimyası: İlaç Etken Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2022

VI. International Scientific and Vocational Studies Congress – Science and Health (BILMES SH 2021), Attendee, Tokat, Turkey, 2021

8th Drug Chemistry Conference, Working Group, Antalya, Turkey, 2020

1. Farmakolojide Güncel Yaklaşımlar Kongresi, Attendee, Kayseri, Turkey, 2019

UYGULAMALI BİYOKİMYADA GÜNCEL KONULAR-5 Biyokimya Lisansüstü Yaz Okulu, Attendee, Turkey, 2019

International Conference on Physical Chemistry and Functional Materials (PCFM'18), Attendee, Elazığ, Turkey, 2018

2nd International Conference on Natural Products for Cancer Prevention and Therapy, Attendee, Kayseri, Turkey, 2017

29. Ulusal Kimya Kongresi, Attendee, Ankara, Turkey, 2017

Innovation in Medicine Summit-3, Attendee, Gaziantep, Turkey, 2017

Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2017

28. Ulusal Kimya Kongresi, Attendee, Mersin, Turkey, 2016

Third International Conference On New Trends In Chemometrics and Applications, Attendee, Antalya, Turkey, 2016

1 st International BAU-Drug Design Symposium, Attendee, İstanbul, Turkey, 2013

The 2nd International Conference on Computation for Science and Techonology, Attendee, Niğde, Turkey, 2012

III. Fiziksel Kimya Günleri Kongresi, Attendee, Balıkesir, Turkey, 2012

25. Ulusal Kimya Kongresi, Attendee, Erzurum, Turkey, 2011

Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Basic Sciences of Pharmacy, General Chemistry, Chemistry, Physical Chemistry, Computational Chemistry, Natural Sciences