

Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2020 - Devam Ediyor
Araştırma Görevlisi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2013 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **New Ester-Containing Azole Derivatives With Potent Anti-*Candida* Effects: Synthesis, Antifungal Susceptibility, Cytotoxicity, and Molecular Modeling Studies**
Ataker Y., Oncue O., GÜLMEZ KIVANÇ D., SABUNCUOĞLU S., ARIKAN AKDAĞLI S., SARI S.
DRUG DEVELOPMENT RESEARCH, cilt.85, sa.7, 2024 (SCI-Expanded)
- II. **Potent Antimicrobial Azoles: Synthesis, In Vitro and In Silico Study**
ÖZDEMİR Z., ZENNİ Y. N., Karakurt A., SARI S., Sarac S., Akdag M., BOZBEY MERDE İ., KART D., Venanzoni R., Flores G. A., et al.
ANTIBIOTICS-BASEL, cilt.13, sa.11, 2024 (SCI-Expanded)
- III. **Alpha-Glucosidase Inhibitory Effects of Flavonoids, Phenolic Acids and Iridoids Isolated From *Vinca Soneri*: In Vitro and In Silico Perspectives**
Uyanir E., Soral M., SEYHAN G., AKKAYA D., BARUT B., SARI S., DUMAN H., RENDA G., ŞÖHRETOĞLU D.
CHEMISTRY & BIODIVERSITY, sa.10, 2024 (SCI-Expanded)
- IV. **Histone deacetylase inhibitory properties of metabolites from leaves of *Quercus pontica* K. Koch and its metabolites**
RENDA G., Sevgi S., Soral M., BORA AKOĞLU G., SARI S., Cetin O., Zobaroglu-Ozer P., ŞÖHRETOĞLU D.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, 2024 (SCI-Expanded)
- V. **Galactokinase-like protein from *Leishmania donovani*: Biochemical and structural characterization of a recombinant protein**
Baber H., Aghajani A., Gallimore B. H., Bethel C., Hyatt J. G., King E. F., Price H. P., Maciej-Hulme M. L., SARI S., Winter A.
Biochimie, cilt.223, ss.31-40, 2024 (SCI-Expanded)
- VI. **Effective α -glycosidase inhibitors based on polyphenolic benzothiazole heterocycles**
Sevimli E., SEYHAN G., AKKAYA D., SARI S., BARUT B., Köksoy B.
Bioorganic Chemistry, cilt.147, 2024 (SCI-Expanded)
- VII. **In vitro and in silico investigation of FDA-approved drugs to be repurposed against Alzheimer's disease**
AKKAYA D., SEYHAN G., SARI S., BARUT B.
Drug Development Research, cilt.85, sa.3, 2024 (SCI-Expanded)
- VIII. **Azoles display promising anticonvulsant effects through possible PPAR- α activation**
SARI S., Yurtoğlu S., ZENGİN M., Marcinkowska M., Siwek A., Saraç S.
Neuroscience Letters, cilt.828, 2024 (SCI-Expanded)
- IX. **A transcriptomics-based drug repositioning approach to identify drugs with similar activities for the treatment of muscle pathologies in spinal muscular atrophy (SMA) models**
Hoolachan J. M., McCallion E., Sutton E. R., Çetin Ö., Pacheco-Torres P., Dimitriadi M., SARI S., Miller G. J., Okoh M., Walter L. M., et al.
Human Molecular Genetics, cilt.33, sa.5, ss.400-425, 2024 (SCI-Expanded)
- X. **Discovery of novel IDO1/TDO2 dual inhibitors: a consensus Virtual screening approach with molecular dynamics simulations, and binding free energy analysis**
Hanif N., SARI S.
Journal of Biomolecular Structure and Dynamics, 2024 (SCI-Expanded)
- XI. **Myrtenyl-bispidine containing azole: synthesis and antifungal activity**
Li-Zhulanov N. S., Ponomarev K. Y., Sarı S., Gülmez Kivanç D., Arıkan Akdağlı S., Krasnov V. I., Suslov E. V., Volcho K. P., Salakhutdinov N. F.
Mendeleev Communications, cilt.34, sa.1, ss.119-121, 2024 (SCI-Expanded)
- XII. **Synthesis and biological evaluation of novel zinc (II) and nickel (II) phthalocyanines as**

cholinesterase inhibitors

AKKAYA D., BARUT B., SARI S., REIS R., Fazli H., BIYIKLIOĞLU Z., ÖZEL A.

Journal of Organometallic Chemistry, cilt.995, 2023 (SCI-Expanded)

- XIII. **Azole derivatives inhibit wildtype butyrylcholinesterase and its common mutants**
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- XIV. **Design, Synthesis, and Molecular Modeling of New and Safe Azole Oxime Esters with Promising Antifungal Activity**
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- XV. **Rational Design of New Monoterpene-Containing Azoles and Their Antifungal Activity**
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- XVI. **The inhibitory effect of escitalopram on mouse detrusor contractility: The role of L-type calcium channels**
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- XVII. **Molecular and Computational Analysis Identify Statins as Selective Inhibitors of Human Butyrylcholinesterase**
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- XIX. **Bioactive Saponins of Primula vulgaris Huds. Promote Wound Healing through Inhibition of Collagenase and Elastase Enzymes: in Vivo, in Vitro and in Silico Evaluations**
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- XXI. **In Vitro Cytotoxicity of Methano[1,2,4]Triazolo-[1,5-C][1,3,5]Benzoxadiazocine Derivatives and Their Effects on Nitrite and Prostaglandin E2 (PGE2) Levels**
DOĞAN İ. S., GÜMÜŞ M. K., Gorobets N. Y., Reis R., Orak D., SİPAHİ H., SARI S., Chebanov V. A.
PHARMACEUTICAL CHEMISTRY JOURNAL, cilt.56, sa.6, ss.769-776, 2022 (SCI-Expanded)
- XXII. **Inhibition of Cholinesterases by Benzothiazolone Derivatives**
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PROCESSES, cilt.10, sa.9, 2022 (SCI-Expanded)
- XXIII. **Anti-inflammatory and Antinociceptive Potential of Verbascum latisepalum**
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REVISTA BRASILEIRA DE FARMACOGNOSIA-BRAZILIAN JOURNAL OF PHARMACOGNOSY, cilt.32, sa.4, ss.537-543, 2022 (SCI-Expanded)
- XXIV. **Antifungal Azole Derivatives Featuring Naphthalene Prove Potent and Competitive Cholinesterase Inhibitors with Potential CNS Penetration According to the in Vitro and in Silico Studies**
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- XXV. **Synthesis, Molecular Modelling and In Vitro Anti-inflammatory Activity of Novel 1,2,4-Triazolo[4,3-**

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- XXVI. **Rutin increases alpha-tubulin acetylation via histone deacetylase 6 inhibition**
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- XXVII. **Multiple biological effects of secondary metabolites of Ziziphus jujuba: isolation and mechanistic insights through in vitro and in silico studies**
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- XXVIII. **Potential of nafimidone derivatives against co-morbidities of epilepsy: In vitro, in vivo, and in silico investigations**
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- XXIX. **Inhibitory Action of Omega-3 and Omega-6 Fatty Acids Alpha-Linolenic, Arachidonic and Linoleic acid on Human Erythrocyte Acetylcholinesterase**
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Protein Journal, cilt.42, 2022 (SCI-Expanded)
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- XXXI. **Flavonoids as tyrosinase inhibitors in in silico and in vitro models: basic framework of SAR using a statistical modelling approach**
Jakimiuk K., SARI S., Milewski R., Supuran C. T., ŞÖHRETOĞLU D., Tomczyk M.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.37, sa.1, ss.421-430, 2022 (SCI-Expanded)
- XXXII. **Alpha-glucosidase and tyrosinase inhibitor of polyphenols isolated from Potentilla speciosa var. speciosa: In vitro and in silico perspectives**
Özgünseven A., BARUT B., Şoral M., SARI S., AKAYDIN G., ÖZEL A., ŞÖHRETOĞLU D.
Industrial Crops and Products, cilt.170, 2021 (SCI-Expanded)
- XXXIII. **Azole antifungal compounds could have dual cholinesterase inhibitory potential according to virtual screening, enzyme kinetics, and toxicity studies of an inhouse library**
BARUT B., SARI S., SABUNCUOĞLU S., ÖZEL A.
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- XXXIV. **Discovery of potent alpha-glucosidase inhibitors through structure-based virtual screening of an in-house azole collection**
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- XXXV. **Inhibition of cholinesterases by safranin O: Integration of inhibition kinetics with molecular docking simulations**
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ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, cilt.698, 2021 (SCI-Expanded)
- XXXVI. **Azole derivatives with naphthalene showing potent antifungal effects against planktonic and biofilm forms of Candida spp.: an in vitro and in silico study**
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INTERNATIONAL MICROBIOLOGY, cilt.24, sa.1, ss.93-102, 2021 (SCI-Expanded)
- XXXVII. **Antibacterial azole derivatives: Antibacterial activity, cytotoxicity, and in silico mechanistic studies**
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- XXXVIII. **In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysofenetin**
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INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.163, ss.1053-1059, 2020 (SCI-Expanded)
- XXXIX. **Flavonoids as alpha-glucosidase inhibitors: mechanistic approaches merged with enzyme kinetics and molecular modelling**
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PHYTOCHEMISTRY REVIEWS, cilt.19, sa.5, ss.1081-1092, 2020 (SCI-Expanded)
- XL. **Flavones as tyrosinase inhibitors: kinetic studies in vitro and in silico**
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- XLII. **p-Trifluoroacetophenone Oxime Ester Derivatives: Synthesis, Antimicrobial and Cytotoxic Evaluation, and Molecular Modeling Studies**
Bozbey I., Sari S., Şalva E., Kart D., Karakurt A.
Letters In Drug Design & Discovery, cilt.17, sa.2, ss.169-183, 2020 (SCI-Expanded)
- XLIII. **Synthesis, DNA interaction, in vitro/in silico topoisomerase II inhibition and photodynamic therapy activities of two cationic BODIPY derivatives**
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BARUT B., YALÇIN C. Ö., SARI S., ÇOBAN Ö., Keleş T., BIYIKLIOĞLU Z., Abudayyak M., DEMİRBAŞ Ü., ÖZEL A.
European Journal of Medicinal Chemistry, cilt.183, 2019 (SCI-Expanded)
- XLV. **A new series of pyridazinone derivatives as cholinesterases inhibitors: Synthesis, in vitro activity and molecular modeling studies**
Ozcelik A. B., ÖZDEMİR Z., SARI S., Utku S., Uysal M.
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- XLVII. **Tyrosinase inhibitory effects of Vinca major and its secondary metabolites: Enzyme kinetics and in silico inhibition model of the metabolites validated by pharmacophore modelling**
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BIOORGANIC CHEMISTRY, cilt.92, 2019 (SCI-Expanded)
- XLVIII. **Discovery of new azoles with potent activity against Candida spp. and Candida albicans biofilms through virtual screening**
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- L. **Synthesis, in vivo anticonvulsant testing, and molecular modeling studies of new nafimidone derivatives**
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- LI. **Synthesis and cytotoxicity studies on new pyrazole-containing oxime ester derivatives**
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- LII. **Tyrosinase and α -glucosidase inhibitory potential of compounds isolated from Quercus coccifera**

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SARI S., BARUT B., ÖZEL A., Kuruüzüm-Uz A., ŞÖHRETOĞLU D.

Bioorganic Chemistry, cilt.86, ss.296-304, 2019 (SCI-Expanded)

- LII. **Synthesis, anticonvulsant screening, and molecular modeling studies of new arylalkylimidazole oxime ether derivatives**
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- LIII. **α -Glucosidase inhibitory effects of polyphenols from Geranium asphodeloides: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
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ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
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Pharmacological Reports, cilt.70, sa.6, ss.1116-1123, 2018 (SCI-Expanded)
- LVI. **Tyrosinase inhibition by a rare neolignan: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
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- LVII. **Discovery of potent alpha-glucosidase inhibitor flavonols: Insights into mechanism of action through inhibition kinetics and docking simulations**
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- LVIII. **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., Saraç S.
Medicinal Chemistry Research, cilt.27, sa.9, ss.2171-2186, 2018 (SCI-Expanded)
- LIX. **Potential of Potentilla inclinata and its polyphenolic compounds in α -glucosidase inhibition: Kinetics and interaction mechanism merged with docking simulations**
ŞÖHRETOĞLU D., SARI S., ŞORAL M., BARUT B., ÖZEL A., LIPTAJ T.
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- LX. **GPCR Modulation of Thieno[2,3-b]pyridine Anti-Proliferative Agents**
Zafar A., SARI S., Leung E., Pilkington L. I., Van Rensburg M., Barker D., Reynisson J.
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- LXI. **α -Glucosidase inhibitory effect of Potentilla astracantha and some isoflavones: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
ŞÖHRETOĞLU D., SARI S., ÖZEL A., BARUT B.
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- LXII. **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, cilt.26, sa.10, ss.2293-2308, 2017 (SCI-Expanded)
- LXIII. **New Anti-Seizure (Arylalkyl)azole Derivatives: Synthesis, In Vivo and In Silico Studies**
SARI S., DALKARA S., KAYNAK F. B., REYNISSON J., Sarac S., KARAKURT A.
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- LXIV. **New azole derivatives showing antimicrobial effects and their mechanism of antifungal activity by molecular modeling studies**
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- EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.130, ss.124-138, 2017 (SCI-Expanded)
- LXV. **New (arylalkyl)azole derivatives showing anticonvulsant effects could have VGSC and/or GABA(A)R affinity according to molecular modeling studies**
SARI S., KARAKURT A., USLU H., KAYNAK F. B., Calis U., DALKARA S.
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- LXVI. **Coumarin or benzoxazinone based novel carbonic anhydrase inhibitors: synthesis, molecular docking and anticonvulsant studies**
Karataş M. O., Uslu H., SARI S., Alagöz M. A., Karakurt A., Alıcı B., Bilen Ç., Yavuz E., Gencer N., Arslan O.
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Advances in the natural α -glucosidase inhibitors**
ŞÖHRETOĞLU D., RENDA G., Arroo R., Xiao J., SARI S.
eFood, cilt.4, sa.5, 2023 (Scopus)
- II. **Virtual screening, identification and in vitro validation of small molecule GDP-mannose dehydrogenase inhibitors**
Dolan J. P., Ahmadipour S., Wahart A. J. C., Cheallagh A. N., SARI S., Eurtivong C., Lima M. A., Skidmore M. A., Volcho K. P., Reynisson J., et al.
RSC Chemical Biology, cilt.4, sa.11, ss.865-870, 2023 (ESCI)
- III. **A hybrid ligand and structure-based virtual screening of NCI compound library identifies potential SAPT1 inhibitors**
SARI S., Valand N., Girija U. V.
JOURNAL OF RESEARCH IN PHARMACY, cilt.26, sa.3, ss.617-624, 2022 (ESCI)
- IV. **In silico Repurposing of Drugs for pan-HDAC and pan-SIRT Inhibitors: Consensus Structure-based Virtual Screening and Pharmacophore Modeling Investigations**
SARI S., AVCI A., Aslan E.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.18, sa.6, ss.730-737, 2021 (ESCI)
- V. **Class I histone deacetylase inhibition by aryl butenoic acid derivatives: In silico and in vitro studies**
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JOURNAL OF RESEARCH IN PHARMACY, cilt.23, sa.5, ss.952-959, 2019 (ESCI)

Kitap & Kitap Bölümleri

- I. **Chapter 7 - Flavonoids as Inducers of Apoptosis and Autophagy in Breast Cancer**
Şöhretoğlu D., Sarı S.
Discovery and Development of Anti-Breast Cancer Agents from Natural Products, Goutam Brahmachari, Editör,
Elsevier Science, Oxford/Amsterdam , Oxford, ss.147-196, 2021
- II. **Flavonoids as Inducers of Apoptosis and Autophagy in Breast Cancer**
ŞÖHRETOĞLU D., Arroo R., SARI S., Huang S.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Hepatosellüler kanserde YAP proteini hedefli yeni bileşiklerin belirlenmesi**
GÜNTEKİN ERGÜN S., SARI S., AVCI A., DİNÇER P. R.
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- II. **Tyrosinase inhibition by a Rare Neolignan: An in vitro and in silico study**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
Internation Symposium on Medicinal Chemistry, 6 - 10 Eylül 2018
- III. **Discovery of potent α -glucosidase inhibitor flavonols: Insights into mechanism of action through inhibition kinetics and docking simulations**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
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- IV. **Hacettepe Üniversitesi Eczacılık Fakültesi'nin Akreditasyon Süreci Açısından 2016 ve 2017 Yılı Değerlendirmesi**
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