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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., Turkey 2012 - 2018

Postgraduate, Inonu University, Acil Tıp A.B.D. (ing.), Anatomi A.B.D. (Türkçe), Turkey 2007 - 2012

Undergraduate, İstanbul Üniversitesi, Eczacılık Fakültesi, Turkey 2000 - 2004

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi Programı, Hacettepe Üniversitesi Yaşam Boyu Öğrenme Merkezi, 2014

Health&Medicine, Deney Hayvanı Kullanım Sertifikası, Hacettepe Üniversitesi Hayvan Deneyleri Yerel Etik Kurulu, 2014

Dissertations

Doctorate, (Arialkil)azol yapısında yeni oksim ester türevleri üzerinde çalışmalar: Sentez, biyolojik aktivite ve moleküler modelleme, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Kimya A.B.D., 2018

Postgraduate, Yeni (Arialkil) triazol türevi oksim esterlerin sentezleri, antikonvülsan ve antimikrobiyal aktiviteleri, Inonu University, Acil Tıp A.B.D. (ing.), Anatomi A.B.D. (Türkçe), 2012

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2020 - Continues

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2013 - 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, vol.170, 2021 (Journal Indexed in SCI)
- II. **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.
Journal of Molecular Structure, vol.1235, 2021 (Journal Indexed in SCI)
- III. **Potential of nafimidone derivatives against co-morbidities of epilepsy: In vitro, in vivo, and in silico investigations**
SARI S., BARUT B., Marcinkowska M., SABUNCUOĞLU S., AVCI A., KOÇAK ASLAN E., ÖZEL A., Siwek A.
DRUG DEVELOPMENT RESEARCH, 2021 (Journal Indexed in SCI)
- IV. **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, 2021 (Journal Indexed in SCI)
- V. **Discovery of potent alpha-glucosidase inhibitors through structure-based virtual screening of an in-house azole collection**
SARI S., Barut B., ÖZEL A., Sarac S.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.97, no.3, pp.701-710, 2021 (Journal Indexed in SCI)
- VI. **Inhibition of cholinesterases by safranin O: Integration of inhibition kinetics with molecular docking simulations**
ÖNDER S., SARI S., TACAL Ö.
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.698, 2021 (Journal Indexed in SCI)
- VII. **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., Sayoglu B., KARAKURT A., DALKARA S.
INTERNATIONAL MICROBIOLOGY, vol.24, no.1, pp.93-102, 2021 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **In vitro and in silico assessment of DNA interaction, topoisomerase I and II inhibition properties of chrysofenetin**
Şöhretoğlu D., Barut B., Sari S., Özel A., Arroo R.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.163, pp.1053-1059, 2020 (Journal Indexed in SCI)
- X. **Flavonoids as alpha-glucosidase inhibitors: mechanistic approaches merged with enzyme kinetics and molecular modelling**
ŞÖHRETOĞLU D., SARI S.
PHYTOCHEMISTRY REVIEWS, vol.19, no.5, pp.1081-1092, 2020 (Journal Indexed in SCI)
- XI. **Flavones as tyrosinase inhibitors: kinetic studies in vitro and in silico**
Arroo R. R. J. , SARI S., Barut B., ÖZEL A., Ruparelia K. C. , ŞÖHRETOĞLU D.
PHYTOCHEMICAL ANALYSIS, vol.31, no.3, pp.314-321, 2020 (Journal Indexed in SCI)
- XII. **Synthesis, DNA interaction, in vitro/in silico topoisomerase II inhibition and photodynamic therapy activities of two cationic BODIPY derivatives**
BARUT B., ÇOBAN Ö., YALÇIN C. Ö. , Baş H., SARI S., BIYIKLIOĞLU Z., DEMİRBAŞ Ü., ÖZEL A.
Dyes and Pigments, vol.174, 2020 (Journal Indexed in SCI)
- XIII. **p-Trifluoroacetophenone Oxime Ester Derivatives: Synthesis, Antimicrobial and Cytotoxic Evaluation, and Molecular Modeling Studies**

Bozbey I, Sarı S, Şalva E, Kart D, Karakurt A.

Letters In Drug Design & Discovery, vol.17, no.2, pp.169-183, 2020 (Journal Indexed in SCI)

- XIV. **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.
PHARMACOLOGICAL REPORTS, vol.71, no.6, pp.1253-1263, 2019 (Journal Indexed in SCI)
- XV. **Novel water soluble BODIPY compounds: Synthesis, photochemical, DNA interaction, topoisomerases inhibition and photodynamic activity properties**
BARUT B., YALÇIN C. Ö. , SARI S., ÇOBAN Ö., Keleş T., BIYIKLIOĞLU Z., Abudayyak M., DEMİRBAŞ Ü., ÖZEL A.
European Journal of Medicinal Chemistry, vol.183, 2019 (Journal Indexed in SCI)
- XVI. **Discovery and Characterisation of Dual Inhibitors of Tryptophan 2,3-Dioxygenase (TDO2) and Indoleamine 2,3-Dioxygenase 1 (IDO1) Using Virtual Screening.**
Sari S., Tomek P., Leung E., Reynisson J.
Molecules (Basel, Switzerland), vol.24, 2019 (Journal Indexed in SCI)
- XVII. **Tyrosinase inhibitory effects of Vinca major and its secondary metabolites: Enzyme kinetics and in silico inhibition model of the metabolites validated by pharmacophore modelling**
SARI S., BARUT B., ÖZEL A., ŞÖHRETOĞLU D.
BIOORGANIC CHEMISTRY, vol.92, 2019 (Journal Indexed in SCI)
- XVIII. **Discovery of new azoles with potent activity against Candida spp. and Candida albicans biofilms through virtual screening**
SARI S., KART D., Ozturk N., KAYNAK F. B. , Gencel M., Taskor G., KARAKURT A., Sarac S., Essiz S., DALKARA S.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.179, pp.634-648, 2019 (Journal Indexed in SCI)
- XIX. **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 I., Gencel M., Essiz S., Reynisson J., KARAKURT A., et al.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.94, pp.1944-1955, 2019 (Journal Indexed in SCI)
- XX. **Synthesis, in vivo anticonvulsant testing, and molecular modeling studies of new nafimidone derivatives**
ACAR M., SARI S., DALKARA S.
DRUG DEVELOPMENT RESEARCH, vol.80, no.5, pp.606-616, 2019 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XXII. **Tyrosinase and α -glucosidase inhibitory potential of compounds isolated from Quercus coccifera bark: In vitro and in silico perspectives**
SARI S., BARUT B., ÖZEL A., Kuruüzüm-Uz A., ŞÖHRETOĞLU D.
Bioorganic Chemistry, vol.86, pp.296-304, 2019 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **α -Glucosidase inhibitory effects of polyphenols from Geranium asphodeloides: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
RENDA G., SARI S., BARUT B., ŞORAL M., LIPTAJ T., KORKMAZ B., ÖZEL A., ERİK İ., ŞÖHRETOĞLU D.
Bioorganic Chemistry, vol.81, pp.545-552, 2018 (Journal Indexed in SCI)
- XXV. **Synthesis and anticonvulsant screening of 1,2,4-triazole derivatives**
SARI S., KAYNAK F. B. , DALKARA S.
Pharmacological Reports, vol.70, no.6, pp.1116-1123, 2018 (Journal Indexed in SCI)
- XXVI. **Tyrosinase inhibition by some flavonoids: Inhibitory activity, mechanism by in vitro and in silico studies**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.

- Bioorganic Chemistry, vol.81, pp.168-174, 2018 (Journal Indexed in SCI)
- XXVII. **Tyrosinase inhibition by a rare neolignan: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
Computational Biology and Chemistry, vol.76, pp.61-66, 2018 (Journal Indexed in SCI)
- XXVIII. **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, vol.27, no.9, pp.2171-2186, 2018 (Journal Indexed in SCI)
- XXIX. **Discovery of potent alpha-glucosidase inhibitor flavonols: Insights into mechanism of action through inhibition kinetics and docking simulations**
ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A.
BIOORGANIC CHEMISTRY, vol.79, pp.257-264, 2018 (Journal Indexed in SCI)
- XXX. **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.
International Journal of Biological Macromolecules, vol.108, pp.81-87, 2018 (Journal Indexed in SCI)
- XXXI. **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.
MOLECULES, vol.22, no.12, 2017 (Journal Indexed in SCI)
- XXXII. **alpha-Glucosidase inhibitory effect of Potentilla astracanica and some isoflavones: Inhibition kinetics and mechanistic insights through in vitro and in silico studies**
ŞÖHRETOĞLU D., SARI S., ÖZEL A., BARUT B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.105, pp.1062-1070, 2017 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI)
- XXXIV. **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.
ARCHIV DER PHARMAZIE, vol.350, no.6, 2017 (Journal Indexed in SCI)
- XXXV. **New azole derivatives showing antimicrobial effects and their mechanism of antifungal activity by molecular modeling studies**
DOĞAN İ. S. , SARAC S., SARI S., KART D., Gokhan S. E. , VURAL İ., DALKARA S.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.130, pp.124-138, 2017 (Journal Indexed in SCI)
- XXXVI. **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.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.124, pp.407-416, 2016 (Journal Indexed in SCI)
- XXXVII. **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.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.5, pp.760-772, 2016 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Class I histone deacetylase inhibition by aryl butenoic acid derivatives: In silico and in vitro studies**
BORA G., SARI S., Taskor G., DALKARA S., Erdem-Yurter H.

Books & Book Chapters

I. **Chapter 7 - Flavonoids as Inducers of Apoptosis and Autophagy in Breast Cancer**

Şöhretoğlu D., Sarı S.

in: Discovery and Development of Anti-Breast Cancer Agents from Natural Products, Goutam Brahmachari, Editor, Elsevier Science, Oxford/Amsterdam , Oxford, pp.147-196, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **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 September 2018

II. **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.

advances in Phytochemical Analysis (Trends in Natural Products Research), 2 - 05 July 2018

III. **Hacettepe Üniversitesi Eczacılık Fakültesi'nin Akreditasyon Sonrasında Standartları Karşılama Açısından Son Üç Yıldaki Mevcut Durumu**

ERDOĞAR N., DOĞAN A., BİBEROĞLU K., ULUTAŞ DENİZ E., EROĞLU İ., KAZKAYASI İ., DÜZENLİ Ö. F. , ARITULUK Z. C. , SARI S., GENÇ Y., et al.

II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Turkey, 10 - 11 May 2018

IV. **Hacettepe Üniversitesi Eczacılık Fakültesi'nin Akreditasyon Süreci Açısından 2016 ve 2017 Yılı Değerlendirmesi**

ERDOĞAR N., DOĞAN A., BİBEROĞLU K., ULUTAŞ DENİZ E., EROĞLU İ., KAZKAYASI İ., DÜZENLİ Ö. F. , ARITULUK Z. C. , SARI S., GENÇ Y., et al.

II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Turkey, 10 - 11 May 2018

V. **Discovery of New Azole Antifungals with Potent Activity against Clinically Resistant Candida tropicalis Isolate and Biofilm Formation**

SARI S., KART D., SARAÇ TARHAN S., KARAKURT A., EŞSİZ GÖKHAN Ş., DALKARA S.

5th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 October 2017

VI. **New Azoles in Oxime Ester Structure: Antifungal Susceptibility, Anti-Biofilm Activity, and Molecular Modeling Studies**

SARI S., KART D., SARAÇ TARHAN S., KARAKURT A., DALKARA S.

3rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017

VII. **Studies on New 1-Phenyl-2-(1H-imidazol-1-yl)ethanone Oxime Esters as Potential Antifungal Compounds**

AKANSEL S., SARI S., SARAÇ TARHAN S., KART D., KARAKURT A., DALKARA S.

3rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017

VIII. **Synthesis, Biological Activity, and Molecular Modelling Studies on New Oxime Ether Compounds Bearing Imidazole Ring**

BOZBEY İ., ÖZDEMİR Z., SARI S., KART D., KARAKURT A., SARAÇ TARHAN S., DALKARA S.

International Multidisciplinary Symposium on Drug Research and Development (DRD 2017), Erzurum, Turkey, 5 - 07 October 2017

IX. **Discovery of Novel Azole Antifungals: An In Silico and In Vitro Study**

SARI S., KART D., EŞSİZ GÖKHAN Ş., KARAKURT A., SARAÇ TARHAN S., DALKARA S.

7th EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry, VİYANA, Austria, 27 - 31 August 2017

X. Hypofractionated Stereotactic Radiation Therapy/Radiosurgery Results in Patients With Uveal Melanoma

YAZICI G., ÖZYİĞİT G., SARI S., TARLAN B., KIRATLI H., CENGİZ M., Zorlu F.

57th Annual Meeting of the American-Society-for-Radiation-Oncology (ASTRO), San-Antonio, Northern Mariana Islands, 18 - 21 October 2015, vol.93

Supported Projects

TUBITAK Project, Potansiyel Antifungal Ve Antikonvülsan Etkili Yeni Azol Bileşikleri Moleküler Modelleme Sentez Ve Biyolojik Aktivite Çalışmaları, 2015 - Continues

ŞÖHRETOĞLU D., SARI S., BARUT B., ÖZEL A., Project Supported by Higher Education Institutions, Bazı Flavonoitlerin alpha-Glukozidaz ve Tirozinaz Enzim İnhibitörü Etki Mekanizmalarının Kinetik ve Bilgisayarlı Modelleme Yöntemleriyle In vitro ve In Silico Araştırılması, 2018 - 2019

ÖZKANLI F., SARI S., Project Supported by Higher Education Institutions, Arilalkilazol Yapısında Yeni Oksim Ester Türevleri Üzerinde Çalışmalar Sentez Biyolojik Aktivite ve Moleküler Modelleme, 2017 - 2018

SARAÇ TARHAN S., SARI S., KARAKURT A., DALKARA S., Project Supported by Higher Education Institutions, Oksim ester yapısında arilalkilazol türevi antifungal bileşikler (PCT başvurusu), 2015 - 2018

DALKARA S., SARI S., Project Supported by Higher Education Institutions, EUROPIN Viyana İlaç Tasarımı Yaz Okulu 2017, 2017 - 2017

Patent

Saraç Tarhan S., Sarı S., Oksim Ester Yapısında (Arilalkil)azol Türevi Antifungal Bileşikler, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR 2013 11057 B , Initial Registration, 2016

Citations

Total Citations (WOS):171

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