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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1998 - 2002

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1996 - 1998

Undergraduate, Van Yüzüncü Yıl University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1991 - 1995

Dissertations

Doctorate, Koyun eritrositleri ve göz lensinden glukoz-6-fosfat dehidrogenaz enziminin saflaştırılması, karakterizasyonu, bazı ilaç ve kimyasal maddelerin inhibisyon veya aktivasyon kinetiklerinin incelenmesi, Ataturk University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2002

Postgraduate, İnsan eritrositlerinde bulunan karbonik anhidraz izoenzimleri üzerinde bazı ilaçların aktivasyon ve inhibisyon etkilerinin incelenmesi, Ataturk University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1998

Research Areas

Biochemistry, Plant Biochemistry, Biochemical Toxicology, Biomolecules, Enzymology, Food Biochemistry, Metabolism, Molecular Biochemistry, Proteomics, Biotechnology, Molecular Biology and Genetics, Chemistry, Biochemistry

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2020 - Continues

Bursa Technical University, 2016 - 2016

Iğdir University, 2015 - 2016

Ataturk University, 2010 - 2012

Ataturk University, 2010 - 2011

Courses

BİYOKİMYA, Undergraduate, 2015 - 2016, 2011 - 2012, 2010 - 2011

GENEL KİMYA, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Bazı Biyomakromoleküllerin İzolasyonu, Karakterizasyonu ve Saflaştırma Teknikleri, Postgraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010

Biyoteknoloji, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010

Protein Yapı Analizi , Doctorate, 2011 - 2012, 2010 - 2011, 2009 - 2010

Laboratuar Deneyimi, Postgraduate, 2010 - 2011

Biyolojik Makromoleküller için Spektroskopik Teknikler, Undergraduate, 2010 - 2011

Bitki Biyokimyası, Undergraduate, 2010 - 2011

Biyokimya Laboratuvarı, Undergraduate, 2009 - 2010

Advising Theses

ŞÜKRÜ B., İstiridyed Mantarından (*Pleurotus ostreatus*) Modifiye Yöntemlerle Tirozinaz Enziminin Saflaştırılması, Postgraduate, K.KURT(Student), 2022

ŞÜKRÜ B., Antidiyabetik ilaç formuna sahip bazı moleküllerin sentezi, karakterizasyonu, biyolojik özelliklerinin incelenmesi ve moleküler yerleştirme çalışmaları, Doctorate, S.ALİ(Student), 2020

ŞÜKRÜ B., Keçi karaciğerinden sorbitol yolu enzimlerinin izolasyonu, karakterizasyonu ve bazı fenolik bileşiklerin enzimlerin aktivitesi üzerine etkilerinin incelenmesi, Doctorate, M.AKKUŞ(Student), 2020

ŞÜKRÜ B., İnsan serumundan paraoksonaz 1 izoenziminin saflaştırılması ve bazı bitki ekstraktlarının enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, O.BÜYÜKEMİR(Student), 2019

ŞÜKRÜ B., KARBONİK ANHİDRAZ I VE II İZOENZİMLERİNİN İNSAN ERİTROSİTLERİNDEN SAFLAŞTIRILMASI VE BAZI BİTKİ EKSTRELERİNİN BU İZOENZİMLER ÜZERİNDE ETKİLERİNİN ARAŞTIRILMASI, Postgraduate, D.NEZİR(Student), 2018

ŞÜKRÜ B., İnsan karbonik anhidraz VII enzim geninin *E. coli*'de klonlanması, ekspresyonu, rekombinant enzimin saflaştırılması, karakterizasyonu ve bazı antibiyotiklerin bu enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, H.ESRA(Student), 2018

ŞÜKRÜ B., İnsan aldehit dehidrogenaz izoenzimlerinin (ALDH1A1, ALDH1A3 ve ALDH2) klonlanması, ekspresyonu, saflaştırılması ve bazı antibiyotiklerin bu enzimlerin aktivitesi üzerine etkilerinin incelenmesi, Doctorate, Y.DEMİR(Student), 2018

ŞÜKRÜ B., Siklooksijenaz enziminin insan apendiks dokusundan saflaştırılması ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, C.TÜRKEŞ(Student), 2016

ŞÜKRÜ B., Sığır böbreğinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması, karakterizasyonu ve bazı antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, N.KILINÇ(Student), 2015

ŞÜKRÜ B., Keçi (*Capra aegagrus Hircus*) böbreğinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması, karakterizasyonu ile bazı ilaç ve metallerin enzim aktiviteleri üzerine etkilerinin incelenmesi, Doctorate, M.KIRICI(Student), 2015

ŞÜKRÜ B., İnsan trombositlerinden nitrik oksit sentaz enziminin ve insan serumundan Paraoksonaz-1 enziminin saflaştırılması, bazı ilaçların bu enzimlerin aktiviteleri üzerine etkilerinin incelenmesi, Doctorate, Z.ALİM(Student), 2015

ŞÜKRÜ B., Koyun karaciğerinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması ve bazı fenolik asitlerin enzimlerin aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, H.ESRA(Student), 2015

BEYDEMİR Ş., Alzheimer tipi demans ve koroner arter hastalarında asetilkolinesteraz gen ekspresyonu ve bazı biyomarkör düzeylerinin belirlenmesi ve asetilkolinesteraz enzim aktivitesinin belirlenerek bazı fenolik bileşiklerin bu enzim aktivitesi üzerine in vitro etkilerinin incelenmesi, Doctorate, M.İŞİK(Student), 2015

ŞÜKRÜ B., Koyun böbreğinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktiviteleri üzerine etkilerinin incelenmesi, Doctorate, B.ŞENGÜL(Student), 2014

ŞÜKRÜ B., İnsan karaciğeri pon1 enzim geninin klonlanması, inklüzyon cisimciklerinden arındırılarak protein yapısının yeniden katlandırılması ve enzimin karakterizasyonu, Postgraduate, Y.DEMİR(Student), 2014

BEYDEMİR Ş., Bazı flavonoid ve fenolik bileşiklerin antioksidan kapasitelerinin belirlenmesi ve insan eritrositlerinden saflaştırılan karbonik anhidraz I ve II izoenzimleri üzerine in vitro, rat eritrositleri karbonik anhidraz enzimi üzerine in

vivo etkilerinin araştırılması, Doctorate, Z.HUYUT(Student), 2014

ŞÜKRÜ B., Hamsi (*Engraulis encrasicolus*) ve mezgit (*Merlangius merlangus euxinus*) balıklarının solungaç dokularından karbonik anhidraz enziminin saflaştırılması, karakterizasyonu ve bazı metal iyonlarının enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, N.ARSLAN(Student), 2013

ŞÜKRÜ B., Nitrik oksit sentaz enziminin sığır böbrek ve trombositlerinden saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, M.MUSTAFA(Student), 2013

ŞÜKRÜ B., Sığır eritrositlerinden karbonik anhidraz enziminin saflaştırılması ve bazı antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, M.YAZICIOĞLU(Student), 2013

ŞÜKRÜ B., Tavuk karaciğerinden sorbitol dehidrogenaz enziminin saflaştırılması ve bazı ağır metallerin enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, M.AKKUŞ(Student), 2012

ŞÜKRÜ B., Karbonik anhidraz I ve II izoenzimlerinin koyun midesinden saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, N.KILINÇ(Student), 2011

ŞÜKRÜ B., Çipura (*Sparus aurata*) balığının karaciğer, solungaç ve böbrek dokularından karbonik anhidraz enziminin saflaştırılması, karakterizasyonu ve bazı metal iyonlarının enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, E.DUYGU(Student), 2011

ŞÜKRÜ B., Glukoz 6-fosfat dehidrogenaz enziminin çipura karaciğer ve solungaç dokularından saflaştırılması ve enzim aktivitesi üzerine bazı metallerin etkilerinin incelenmesi, Postgraduate, M.ÇAM(Student), 2011

ŞÜKRÜ B., Koyun karaciğer mikrozomlarından PON1 enziminin saflaştırılması, karakterizasyonu ve bazı radyonüklid ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, B.KONCUK(Student), 2011

ŞÜKRÜ B., Koyun karaciğerinden sorbitol dehidrogenaz enziminin saflaştırılması ve enzim aktivitesi üzerine bazı ilaçların etkilerinin incelenmesi, Postgraduate, Z.ALIM(Student), 2010

ŞÜKRÜ B., İnsan serumundan paraoksonaz-1 enziminin saflaştırılması ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Postgraduate, C.TÜRKEŞ(Student), 2010

ŞÜKRÜ B., İnsan serumundan paraoksonaz 1 enziminin saflaştırılması, bazı metal iyonları ve antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Doctorate, D.EKİNCİ(Student), 2009

ŞÜKRÜ B., İnsan serum paraoksonaz enziminin saflaştırılması ve bazı ilaçların enzim aktivitesi üzerine etkilerinin araştırılması, Postgraduate, M.MUSTAFA(Student), 2009

ŞÜKRÜ B., Fare genomunda bulunan karbonik anhidraz izoenzim ve karboksilaz enzim genlerinin cDNA'larının üretilmesi, antisens mRNA sentezi ve in situ hibridizasyonu ile gen ekspresyon analizi, Postgraduate, D.EKİNCİ(Student), 2006

ŞÜKRÜ B., Gökkuşluğu alabalık (*oncorhynchus mykiss*) dokularından karbonik anhidraz enziminin saflaştırılması, karakterizasyonu ve kinetik özelliklerinin incelenmesi, Doctorate, H.SÖYÜT(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **New naphthoquinone thiazole hybrids as carbonic anhydrase and cholinesterase inhibitors: Synthesis, crystal structure, molecular docking, and acid dissociation constant**
Efeoglu C., Selcuk O., Demir B., ŞAHİN E., Sari H., TÜRKEŞ C., Demir Y., Nural Y., BEYDEMİR Ş.
Journal of Molecular Structure, vol.1301, 2024 (SCI-Expanded)
- II. **Isolation of phenolic compounds from eco-friendly white bee propolis: Antioxidant, wound-healing, and anti-Alzheimer effects**
Necip A., Demirtaş İ., Tayhan S. E., IŞIK M., Bilgin S., Turan İ. F., İpek Y., BEYDEMİR Ş.
Food Science and Nutrition, vol.12, no.3, pp.1928-1939, 2024 (SCI-Expanded)
- III. **The effects of morin and methotrexate on pentose phosphate pathway enzymes and GR/GST/TrxR enzyme activities: An in vivo and in silico study**
ÇAĞLAYAN C., Temel Y., TÜRKEŞ C., Ayna A., Ece A., BEYDEMİR Ş.
Archiv der Pharmazie, vol.357, no.2, 2024 (SCI-Expanded)
- IV. **Synthesis, Theoretical, in Silico and in Vitro Biological Evaluation Studies of New Thiosemicarbazones as Enzyme Inhibitors**
Erdoğan M., Serdar Çavuş M., Muğlu H., Yakan H., TÜRKEŞ C., Demir Y., BEYDEMİR Ş.

Chemistry and Biodiversity, vol.20, no.11, 2023 (SCI-Expanded)

- V. **Evaluation of the relationship among gene expressions and enzyme activities with antioxidant role and presenilin 1 expression in Alzheimer's disease**
IŞIK M., Tunç A., Duran H. E., Naldan M. E., Yılmaz A., KOÇAK M. N., BEYDEMİR Ş.
Journal of Cellular and Molecular Medicine, vol.27, no.21, pp.3388-3394, 2023 (SCI-Expanded)
- VI. **Synthesis and Characterization of Novel 1,3-Diaryltriazene-Substituted Sulfaguanidine Derivatives as Selective Carbonic Anhydrase Inhibitors: Biological Evaluation, in Silico ADME/T and Molecular Docking Study**
Akocak S., Lolak N., Duran H. E., IŞIK M., TÜRKEŞ C., Durgun M., BEYDEMİR Ş.
Chemistry and Biodiversity, vol.20, no.8, 2023 (SCI-Expanded)
- VII. **Novel bis-ureido-substituted sulfaguanidines and sulfoxazoles as carbonic anhydrase and acetylcholinesterase inhibitors**
Lolak N., Akocak S., Durgun M., Duran H. E., Necip A., TÜRKEŞ C., IŞIK M., BEYDEMİR Ş.
Molecular Diversity, vol.27, no.4, pp.1735-1749, 2023 (SCI-Expanded)
- VIII. **Synthesis and characterization of novel acyl hydrazones derived from vanillin as potential aldose reductase inhibitors**
Demir Y., Tokalı F. S., Kalay E., TÜRKEŞ C., Tokalı P., ASLAN O. N., Şendil K., BEYDEMİR Ş.
Molecular Diversity, vol.27, no.4, pp.1713-1733, 2023 (SCI-Expanded)
- IX. **Discovery of novel benzenesulfonamides incorporating 1,2,3-triazole scaffold as carbonic anhydrase I, II, IX, and XII inhibitors**
Buza A., TÜRKEŞ C., Arslan M., Demir Y., Dincer B., Nixha A. R., BEYDEMİR Ş.
International Journal of Biological Macromolecules, vol.239, 2023 (SCI-Expanded)
- X. **A novel series of thiosemicarbazone hybrid scaffolds: Design, synthesis, DFT studies, metabolic enzyme inhibition properties, and molecular docking calculations**
Yakan H., Muğlu H., TÜRKEŞ C., Demir Y., Erdoğan M., Çavuş M. S., BEYDEMİR Ş.
Journal of Molecular Structure, vol.1280, 2023 (SCI-Expanded)
- XI. **Novel acetic acid derivatives containing quinazolin-4(3H)-one ring: Synthesis, in vitro, and in silico evaluation of potent aldose reductase inhibitors**
Tokalı F. S., Demir Y., TÜRKEŞ C., DİNCER B., BEYDEMİR Ş.
Drug Development Research, vol.84, no.2, pp.275-295, 2023 (SCI-Expanded)
- XII. **Enzyme inhibition, molecular docking, and density functional theory studies of new thiosemicarbazones incorporating the 4-hydroxy-3,5-dimethoxy benzaldehyde motif**
Demir Y., TÜRKEŞ C., Çavuş M. S., Erdoğan M., Muğlu H., Yakan H., BEYDEMİR Ş.
Archiv der Pharmazie, vol.356, no.4, 2023 (SCI-Expanded)
- XIII. **A new series of hydrazones as small-molecule aldose reductase inhibitors**
ALTINTOP M. D., Demir Y., TÜRKEŞ C., ÖZTÜRK BAŞPINAR N., CANTÜRK Z., BEYDEMİR Ş., ÖZDEMİR A.
Archiv der Pharmazie, vol.356, no.4, 2023 (SCI-Expanded)
- XIV. **The synthesis, biological evaluation and in silico studies of asymmetric 3,5-diaryl-rhodanines as novel inhibitors of human carbonic anhydrase isoenzymes**
Yararlı K., Ozer E. B., Bayindir S., ÇAĞLAYAN C., TÜRKEŞ C., BEYDEMİR Ş.
Journal of Molecular Structure, vol.1276, 2023 (SCI-Expanded)
- XV. **Exploration of Some Bis-Sulfide and Bis-Sulfone Derivatives as Non-Classical Aldose Reductase Inhibitors**
TÜRKEŞ C., Demir Y., BİÇER A., Cin G. T., GÜLTEKİN M. S., BEYDEMİR Ş.
ChemistrySelect, vol.8, no.5, 2023 (SCI-Expanded)
- XVI. **Recombinant human carbonic anhydrase VII: Purification, characterization, inhibition, and molecular docking studies**
Duran H. E., BEYDEMİR Ş.
Biotechnology and Applied Biochemistry, vol.70, no.1, pp.415-428, 2023 (SCI-Expanded)
- XVII. **Exploration of 1,2,3-triazole linked benzenesulfonamide derivatives as isoform selective inhibitors of human carbonic anhydrase**

- Kakakhan C., TÜRKEŞ C., Güleç Ö., Demir Y., Arslan M., Özkemahlı G., BEYDEMİR Ş.
Bioorganic and Medicinal Chemistry, vol.77, 2023 (SCI-Expanded)
- XVIII. **Molecular Docking Studies and the Effect of Fluorophenylthiourea Derivatives on Glutathione-Dependent Enzymes**
Demir Y., TÜRKEŞ C., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
Chemistry and Biodiversity, vol.20, no.1, 2023 (SCI-Expanded)
- XIX. **Synthesis, characterization and docking studies of benzenesulfonamide derivatives containing 1,2,3-triazole as potential inhibitor of carbonic anhydrase I-II enzymes**
Güngör S. A., Köse M., Tümer M., TÜRKEŞ C., BEYDEMİR Ş.
Journal of Biomolecular Structure and Dynamics, vol.41, no.20, pp.10919-10929, 2023 (SCI-Expanded)
- XX. **Novel beta-lactam substituted benzenesulfonamides: in vitro enzyme inhibition, cytotoxic activity and in silico interactions**
Güleç Ö., TÜRKEŞ C., Arslan M., Demir Y., Dincer B., Ece A., BEYDEMİR Ş.
Journal of Biomolecular Structure and Dynamics, 2023 (SCI-Expanded)
- XXI. **In Vitro Inhibitory Activity and Molecular Docking Study of Selected Natural Phenolic Compounds as AR and SDH Inhibitors****
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
ChemistrySelect, vol.7, no.48, 2022 (SCI-Expanded)
- XXII. **N-substituted phthalazine sulfonamide derivatives as non-classical aldose reductase inhibitors**
TÜRKEŞ C., Arslan M., Demir Y., Çoçaj L., Nixha A. R., BEYDEMİR Ş.
Journal of Molecular Recognition, vol.35, no.12, 2022 (SCI-Expanded)
- XXIII. **Biological evaluation and in silico study of benzohydrazide derivatives as paraoxonase 1 inhibitors**
Korkmaz I. N., TÜRKEŞ C., Demir Y., Öztekin A., ÖZDEMİR H., BEYDEMİR Ş.
Journal of Biochemical and Molecular Toxicology, vol.36, no.11, 2022 (SCI-Expanded)
- XXIV. **Cytotoxic effect, enzyme inhibition, and in silico studies of some novel N-substituted sulfonyl amides incorporating 1,3,4-oxadiazol structural motif**
Güleç Ö., TÜRKEŞ C., Arslan M., Demir Y., Yeni Y., HACIMÜFTÜOĞLU A., Ereminsoy E., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
Molecular Diversity, vol.26, no.5, pp.2825-2845, 2022 (SCI-Expanded)
- XXV. **Methyl benzoate derivatives: in vitro Paraoxonase 1 inhibition and in silico studies**
Korkmaz I. N., TÜRKEŞ C., Demir Y., ÖZDEMİR H., BEYDEMİR Ş.
Journal of Biochemical and Molecular Toxicology, vol.36, no.10, 2022 (SCI-Expanded)
- XXVI. **Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors**
OSMANİYE D., TÜRKEŞ C., Demir Y., ÖZKAY Y., BEYDEMİR Ş., KAPLANCIKLİ Z. A.
Archiv der Pharmazie, vol.355, no.8, 2022 (SCI-Expanded)
- XXVII. **Design, synthesis, and aldose reductase inhibitory effect of some novel carboxylic acid derivatives bearing 2-substituted-6-aryloxo-pyridazinone moiety**
Akdağ M., ÖZÇELİK A. B., Demir Y., BEYDEMİR Ş.
Journal of Molecular Structure, vol.1258, 2022 (SCI-Expanded)
- XXVIII. **Synthesis, biological evaluation, and in silico study of novel library sulfonates containing quinazolin-4(3H)-one derivatives as potential aldose reductase inhibitors**
Tokalı F. S., Demir Y., Demircioğlu İ. H., TÜRKEŞ C., Kalay E., Şendil K., BEYDEMİR Ş.
Drug Development Research, vol.83, no.3, pp.586-604, 2022 (SCI-Expanded)
- XXIX. **In vitro and in silico interactions of antiulcer, glucocorticoids and urological drugs on human carbonic anhydrase I and II isozymes**
Güller U., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
Biopharmaceutics and Drug Disposition, vol.43, no.2, pp.47-56, 2022 (SCI-Expanded)
- XXX. **ACHe mRNA expression as a possible novel biomarker for the diagnosis of coronary artery disease and Alzheimer's disease, and its association with oxidative stress**
IŞIK M., BEYDEMİR Ş.

- Archives of Physiology and Biochemistry, vol.128, no.2, pp.352-359, 2022 (SCI-Expanded)
- XXXI. **Some calcium-channel blockers: kinetic and in silico studies on paraoxonase-I**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
Journal of Biomolecular Structure and Dynamics, vol.40, no.1, pp.77-85, 2022 (SCI-Expanded)
- XXXII. **Molecular docking and inhibition studies of vulpinic, carnosic and usnic acids on polyol pathway enzymes**
Demir Y., CEYLAN H., TÜRKEŞ C., BEYDEMİR Ş.
Journal of Biomolecular Structure and Dynamics, vol.40, no.22, pp.12008-12021, 2022 (SCI-Expanded)
- XXXIII. **Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and α -glucosidase inhibitors**
TÜRKEŞ C., Akocak S., IŞIK M., Lolak N., Taslimi P., Durgun M., GÜLÇİN İ., Budak Y., BEYDEMİR Ş.
Journal of Biomolecular Structure and Dynamics, vol.40, no.19, pp.8752-8764, 2022 (SCI-Expanded)
- XXXIV. **Oxidative Stress and Changes of Important Metabolic Gene Expressions as a Potential Biomarker in the Diagnosis of Atherosclerosis in Leukocytes**
IŞIK M., Tunç A., BEYDEMİR Ş.
Brazilian Journal of Cardiovascular Surgery, vol.37, no.4, pp.481-487, 2022 (SCI-Expanded)
- XXXV. **Biological effects of bis-hydrazone compounds bearing isovanillin moiety on the aldose reductase**
Yapar G., Esra Duran H., Lolak N., Akocak S., TÜRKEŞ C., Durgun M., IŞIK M., BEYDEMİR Ş.
Bioorganic Chemistry, vol.117, 2021 (SCI-Expanded)
- XXXVI. **Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds**
SEVER B., TÜRKEŞ C., ALTINTOP M. D., Demir Y., AKALIN ÇİFTÇİ G., BEYDEMİR Ş.
Archiv der Pharmazie, vol.354, no.12, 2021 (SCI-Expanded)
- XXXVII. **Infection Medications: Assessment In-Vitro Glutathione S-Transferase Inhibition and Molecular Docking Study**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
ChemistrySelect, vol.6, no.43, pp.11915-11924, 2021 (SCI-Expanded)
- XXXVIII. **Calcium Channel Blockers: The Effect of Glutathione S-Transferase Enzyme Activity and Molecular Docking Studies**
TÜRKEŞ C., Kesebir A. Ö., Demir Y., KÜFREYİOĞLU Ö. İ., BEYDEMİR Ş.
ChemistrySelect, vol.6, no.40, pp.11137-11143, 2021 (SCI-Expanded)
- XXXIX. **Purification of the phytase enzyme from Lactobacillus plantarum: The effect on pansy growth and macro-micro element content**
Karagöz F. P., Demir Y., ŞENOL KOTAN M., DURSUN A., BEYDEMİR Ş., DİKBAŞ N.
Biotechnology and Applied Biochemistry, vol.68, no.5, pp.1067-1075, 2021 (SCI-Expanded)
- XL. **Identification of a new class of potent aldose reductase inhibitors: Design, microwave-assisted synthesis, in vitro and in silico evaluation of 2-pyrazolines**
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